www.fulldome-festival.de



PROGRAM

JENA FULLDOME FESTIVAL - IPS SPECIAL & IMERSA DAY

Best of new Fulldome Films

This section features a best-of selection of fulldome films from the 18th Jena FullDome Festival. nominated for a JANUS-Award by the international expert jury. Producers and artists present in Jena will be introduced by the session moderator. Excitement grows when the winners of the 2024 JANUS-Awards in 9 categories will be revealed.

Fulldome Festival Live Performances

The Jena FullDome Festival has been pioneering the art of immersive live performance in the dome. The IPS delegates will be treated to extraordinary samples of music, theatre and 360-stage performances in the evening program. Shows include the world premiere of the immersive Music Theatre The Grey Cloth on opening night, July 18th and an extravagant live concert on closing night, July 20, jointly presented by IMERSA and FullDome Festival Foundation

Frameless Forum Panel

The panel engages committed individuals from the Planetarium and Immersive Media scene in moderated conversations. Panelists are invited to introduce themselves with a sample of their work followed by panel discussion.

IMERSA-Dav

A special IMERSA Day will be held on July 20th. Where better to hold this workshop than at the home of the FullDome Festival: the Zeiss-Planetarium Jena? Here, attendees will immerse themselves (no pun intended) in the world of fulldome and explore new and best practices in immersive media, spatial audio and related genres. The day will culminate with a combined FullDome Festival & IMERSA gala event and live concertl

MICKY REMANN





LIESE ENDLER





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JURY 2024

Three international experts viewed and assessed all FullDome Festival submissions and picked the best for the JANUS-Awards. The nominees for the 2024 JANUS-Awards were announced May 25th in the nomination gala of the FullDome Festival.

The JANUS-Award ceremony will take place as a spart of the IPS conference on July 19th. 2024, 7 p.m. EST. Whatever the jury decides will be kept top secret until the official announcements of nominees and Award winners.

We are honored and thankful that these three individuals dedicate their time and expertise to serve in the 2024 jury.

DAN TELL DR. MICHAELA FRENCH RALPH HEINSOHN







Dan Tell is Manager of Planetarium Engineering for the Alexander F Morrison Planetarium, Hohfeld Hall and immersive venues at the California Academy of Sciences in San Francisco. His planetarium career has focused on empowpresentations erina through technology and integration of astronomical data into simulation software systems. Dan has served as president of the Great Lakes Planetarium Association. He has had a hand in creating countless immersive live shows, events and lectures, including collaborative projects with planetariums around the world and with other immersive venues.

Dr. Michaela French is an artist. lecturer and researcher working with light and time-based media across a broad range of artistic contexts. Her artistic practice is grounded in an ecological systems-based approach. Michaela has worked in the fulldome sector for over twenty years. She collaborated on the world's first 360° fulldome video artistic research project and has written, directed and designed award-winning fulldome films. Michaela is a committed advocate for the creative potential of fulldome as an artistic medium, and is co-founder and chair of the Fulldome Creative Network.

Ralph Heinsohn is professor for audiovisual media at Aalen University in Germany. As a Designer. Producer und Curator of immersive Media he has produced awardwinning fulldome-shows, founded and directed the section of immersive media at one of germanys oldest film festivals, the Nordic Film Days Lübeck, Until March 2023 he was Creative Director of the Science Dome at Germany's largest science center, the experimenta Heilbronn. His focus is the strategic development of immersive media and their implementation in enterprises, culture and science communication

Our festival jury will choose the winners of the JANUS-Awards in these categories:
Best Fulldome Short, Best Fulldome Feature, Best Fulldome Art and Experiment, Best Fulldome New Talent,
Best Fulldome Science, Best Fulldome Education, Best Fulldome Innovation and Special Jury Selection.

The Fulldome Audio Award will be decided by sound specialist Josua Hagedorn.

The Fulldome Live Act Award will be decided by the festival directors.





THURSDAY, July 18th

CET

10:00, 11:00 & Thematische Stadtrundgänge

12:00 "Zeiss - Abbe -Schott"

14:00 IPS FullDome Festival Official Opening

14:15-15:30 FRAMELESS FORUM PANEL I

The science of excitement

with Dr. Helen Ahner, Nils Merten, Prof. Dr. Isabella Beyer,

André Wünscher, Hendrik Huthoff

16:00 - 18:30 BEST OF NEW FULLDOME FILMS - Part I

Into the Microverse - Journey through the

Amazing World of Microbes

Inwardness
Dark Biosphere
100 years of eternity

I spread

Niyah and the multiverse

PAX RATA FIAT Recoding Entropia

19:30 THE GREY CLOTH

Immersive music theatre



How does science communication relate to a sense of wonder and the joy of exploring, when combined with hands-on experimentation? Show by French filmmaker Michel Ocelot

PANFLISTS

14:00

Dr. Helen Ahner

The title of her book encapsulates the essence of this panel: "Planetariums: Wonders of technology - techniques of wonder" In the German original Planetarien: Wunder der Technik - Techniken des Wunderns. Dr. Ahner works at the Max-Planck-Institute for Educational Research, Research area History of Emotions.

Nils Merten

Sound of the Future: Immersive Audio for Headphone. Nils Merten from the team of legendary audio pioneer Prof. Karls-Heinz Brandenburg discusses the creation of an immersive audio experience for headphones Brandenburg Labs takes on these challenges by developing cutting edge algorithms and using the latest research on psychoacoustics.

Prof. Dr. Isabella Beyer

Immersive Medien und Transmedia. Isabella graduated from the Muthesius University of Fine Arts and Design in Kiel and completed her Master's degree at Monash University in Melbourne (Australia). She worked in numerous academic and private sector positions and completed her doctorate on the subject of "Le Passage - Towards a Concept of a 360° Knowledge Instrument" at Plymouth University, Plymouth, England.

André Wünscher

Dome Tools at the Speed of Thought. Imagine crafting fulldome content in real-time — easy, free, and collaborative! Introducing: Our plug-and-play package for Unity boosts both traditional cubemap rendering and a novel DomeWarp technique for maximum performance, and more control than ever before.

Hendrik Huthoff

Excitement in the Microverse! Hendrik initiated the fulldome film Into the Microverse-Journey through the Amazing World of Microbes, nominated for a JANUS-Award, The film's objective is to edutain lay audiences of all ages and impress on them the message that the future of humanity depends on understanding and working together with the tiniest life forms on our planet: the microbes.



PART I





Raúl Erdossy, Hendrik Huthoff Germany 2023 (16 min)

The Al-drone C.A.R.L. (Completely Automated Researcher of Life) is sent on a mission to discover how microbes, the tiniest life forms on Earth, can help secure a sustainable future. Together with his ally C.A.R.L.A., they go on an exciting journey, exploring plants, animals and the atmosphere. They discover how microbes help plants and animals to grow, provide clean drinking water, and the air we breathe… in the end, we experience the wonder and beauty of the microverse!

SHORT FILM

INWARDNESS



SULFATION: Nemati Meisam, Schokuhfar Farshad Canada/Germany 2023 (7 min)

Inwardness is an abstract and narrative short movie that takes the audience to the journey through 8 unique universes. A very special method is used to navigate the camera in 360 environment through pairing the camera with a gaming setup and then navigating through universes in real-time, making the movements, shifts and turn very smooth and organic. Inspired by "The Sirens of Titan", a book by American science-fiction novelist, Kurt Vonnegut, the narration touches on the idea that us, human being, are better off exploring inward and through the depth of his soul rather than outside of his existence to find a meaning for this life.

SHORT FILM



DARK BIOSPHERE

Javier Bollain Spain 2024 (27 min)

Deep beneath the earth's crust, with no light, no air, and very little water, in fissures of hard rock, scientists have found an enormous biodiversity of micro-organisms that thrive in extreme conditions. The Dark Biosphere challenges everything we thought we knew and challenges us to rethink not only the origin and evolution of life on Earth but its possible existence throughout the Universe.

FEATURE FILM



100 YEARS OF ETERNITY

Tobias Wiethoff, Felix Deufel Germany 2023 (36 min)

Hardly anything has shaped the history of civilization as much as man's confrontation with the heavens. Megalithic stone circles bear witness to this, as do the astronomical origins of science in ancient Greece or the technical principles of modern high seas navigation. Even prehistoric sites tell of the important role the heavens have always played for people, whether in their practical everyday lives or as a repository for mythological imaginings spanning the generations.

FEATURE FILM



I SPREAD

Alejandra Rios Ruiz, Mexico 2023 (6 min)

Based on scientific experiments, this project explores the possibility of trees as bioluminescent entities. Reflecting about "synthetic biomes", or the human manipulation of ecosystems, physical modeling synthesis was employed, to simulate the sounds of hypothetical biological systems based on their real physical qualities. The project aims to create biological, synthetic sonic environments, prompting reflection on our ability to give shape and voice to the imaginary in the context of our interaction with the physical world.

NEW TALENT



NIYAH AND THE MULTIVERSE

Adler Planetarium USA 2024 (26 min)

Follow Niyah, an imaginative Chicago pre-teen, on a visually stunning Afrofuturist journey through the multiverse! If there are countless universes out there, where does Niyah fit in? What about you? Niyah has a lot of questions about space and time. How can a special mask help us understand who we are in the world? Do we really need ALL the laws of physics? How is the multiverse like the blues?

FEATURE FILM



PAX RATA FIAT

MASSO, 1V4N, Spain2023 (6 min)

Pax Rata Fiat narrates a fascinating journey through flowers and plants, highlighting the importance of preserving and caring for our connection to the forest. The common thread of the narrative is the making of ratafia, a traditional Catalan liqueur, and an abstract vision of its ingredients.

SHORT FILM



RECODING ENTROPIA

François Vautier, France 2023 (9 min)

In the heart of nothingness, on the horizon of infinite space and unfathomable time, wanders an imposing geometry. An immense tetrahedron that will soon break up and scatter, delivering a mysterious message through its changing shape.

SHORT FILM WORLD PREMIERE

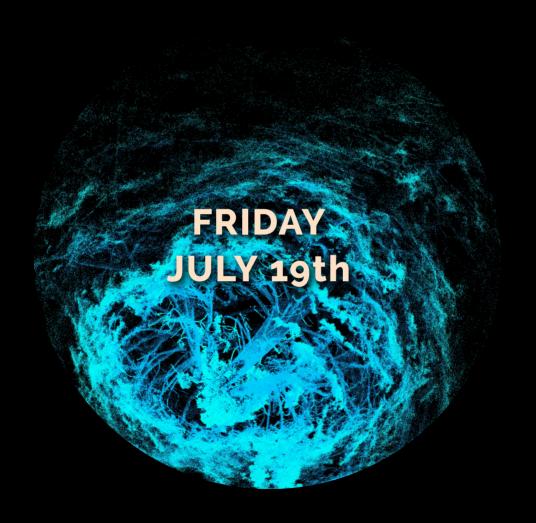




Thursday May 18th, 19:30 CET

World premiere of the immersive music theatre The Grey Cloth. IPS delegates will be treated to a spectacular live performance produced by the Jena and Weimar teams that have pioneered 360° stage performances, together with fulldome artists and students, musicians, performers and innovators. The play is based on a novel by visionary author Paul Scheerbart, who envisioned fantastic worlds around the same the modern Planetarium was conceived. The audience in the Jena Planetarium – and live stream audiences around the world – will travel around the world in a luxurious airship visiting strange and wonderful sites and parties. The colorful adventures of The Grey Cloth were written in Pre-First World times and projected into a future that might have been our present times.

If you are not physically in Jena, you may get a ticket for the live stream of the show: https://ticket.fulldome-festival.de/event/the-gray-cloth/





FRIDAY, July 19th

CET

09:00-10:30 BEST OF NEW FULLDOME FILMS - Part II

Spark: The Universe in Us

Dialogue in Silence

1 The Voyage of Arka Kinari

"Into the Microverse - Journey through the

Amazing World of Microbes"

11:00-12:30 FRAMELESS FORUM PANEL II

All the dome's a stage!

with Kate McCallum, Tobias Staab, Markus Beyr, Liese Endler, Prof. Dr. Michael Markert, Sergey Prokofyev

14:00-15:30 BEST OF NEW FULLDOME FILMS - Part III

Chemistry of Life

Total Eclipse: Chasers of the Lost Sleep

BAD TRIP

16:00-17:00 BEST OF NEW FULLDOME FILMS - Part IV

Secrets from a Forest

Links-Rechts
I Saw The Future

17:00-18:00 THE STELLARS

World Premiere

19:00 JANUS AWARD CEREMONY

20:00 FUSION - Energy of the Stars

Fulldome Live Performance



PART II



SPARK: THE UNIVERSE IN US

Ryan Wyatt, Matt Blackwell USA 2023 (24 min)

Travel inside a giant star nearing the end of its life, witness stellar corpses colliding, and experience the quiet demise of a Sunlike star. From the air we breathe to the ground we stand on, we owe it all to the stars. Narrated by Diego Luna, "Spark: The Universe in Us" explores how hundreds of millions of celestial events have forged the elements that make up the Solar System. Earth—and us!

FEATURE FILM



DIALOGUE IN SILENCE

Chih-Jung Hsu, Chia-Yi Shih, Hua-Yen Pan, Chia-Hsiang Lee, Taiwan 2023 (5 min)

In the silence, thoughts intersect, and dance becomes a wordless conversation. Interpreted through dance, language remains silent, with movements and stillness intertwining. Using motion as words and dance as chapters. Music presents various sounds, and for each moment of hearing a sound, it seeks another form, tone, or dynamic analogy.

NEW TALENT



THE VOYAGE OF ARKA KINARI

Janire Najera, 4Pi Productions United Kingdom 2023 (39 min)

An immersive documentary film about the extraordinary journey aboard the 70-ton sailing ship, Arka Kinari, ingeniously transformed into a cultural platform to amplify the urgent call for action on the climate crisis. Embark on a cinematic experience where art, music, and environmental advocacy seamlessly converge.

FEATURE FILM



11:00 ALL THE DOME'S A STAGE! Moderated by Alexandra Wolf

Some call the Planetarium a Star theatre. What happens when the "real" theatre occupies the Planetarium? Exploring strategies of making immersion awesome, popular and profitable.

PANELISTS

Kate McCallum

She co-founded Vortex Immersion in LA and continues to create and produce art of the immersive kind. Currently she is involved in "Her mind's Eye" a fulldome film on the mystic nun Hildegard von Bingen.

Tobias Staab

He directed Autonomous Avatars Dance Performance choreographing real dancers in the real dome.

Markus Beyr

Immersive Themes and Attractions. Marcus' expertise is in creating immersive attractions, like the Immersium in Vienna.

Liese Endler

Gesamtkunstwerk Immersive Music Theatre. As a teacher and media artist Liese has been active in the struggle and rise of immersive theatre in Weimar and Jena and its promise for the future.

Prof. Dr. Michael Markert

Ai-Aided Design for Immersive Media. Everyone wants to know this: can Al help creative people in their production needs. Michael has scrutinized and reports about available systems.

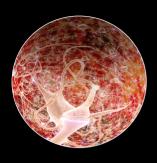
Sergey Prokofyev

Immersive Architecture. Sergey is an architect and award winning fulldome producer. He is involved in a number of immersive music theatre projects.



PART III





Anna Öst, Drew Berry Sweden 2023 (32 min)

Chemistry of Life makes the biomolecular world more concrete and accessible through cutting edge molecular visualizations. The production focuses on connecting the processes associated with being alive - breathing, eating and thinking, with biochemical processes in the body's cells. With the help of dynamic animations based on research data, we can not only show what the research has discovered, but we can travel into the data and get a deeper understanding of the invisible world that exists inside all of us.

FEATURE FILM



TOTAL ECLIPSE: CHASERS OF THE LOST SLEEP

François Guinaudeau, Sébastien Samyn Canada 2023 (30 min)

Follow Kentucky—an insomniac hen and social media star who lives on the Moon—in her adventures to demystify solar eclipses! With help from JOS, her whimsical android sidekick, she embarks on a space-time journey to Earth to find the perfect solar eclipse that will finally help her get some sleep. Join them on their journey to discover the perfect conditions to witness this unique phenomenon, in an immersive and wacky show at the Planétarium.

FEATURE FILM WORLD PREMIERE



BAD TRIP

Emese Pálovics, Bianca Faddi USA 2023 (9 min)

The BAD TRIP is an immersive narrative installation that can serve as a conversation starter about generation gaps and the traumas they cause. The viewer follows the protagonist through a 'bad trip-like' series of events, exploring the memories of his childhood home, guided by strange creatures. As he goes deeper in his home and in his consciousness, he must confront the crux of the problem.



PART IV



SECRETS FROM A FOREST

Jim Brandenburg, USA 2023 (26 min)

Secrets from a Forest tells an inspiring story of the intimate relationship between artistic expression and the natural world. Audiences explore the "singing spruce" in Italy's Paneveggio Forest, the source of wood for the Stradivarius violin, encounter the creation of this remarkable instrument inside a violin maker's studio, and are transported to a concert hall to hear the thrilling and powerful result of this delicate dance between human beings and nature.

FEATURE FILM
WORLD PREMIERE



LINKS-RECHTS

Benedikt Pfisterer Poland, Austria 2023 (4 min)

Visuals for a live performance of a unique duo - Drumbadour: Robert Prosser (slam poet) and Lan Sticker (drummer). The rough rhythm sparring is represented by black-and-white graphics built solely of typography. Each chapter of the boxing story was designed and animated by another student, with the use of various experimental techniques involving real-time audio-reactive 3D graphics.

NEW TALENT



François Vautier, France 2023 (6 min)



In 1964, Arthur C. Clarke revealed his vision of the future to the BBC cameras. Famous for having collaborated with Stanley Kubrick on 2001: A Space Odyssey, the British author projected with astonishing precision the mutations brought about by the advent of the digital age. He glimpses the Internet, artificial intelligence, transhumanism and extends his vision far into space through future interstellar travel. By revisiting the signal transmitted by these first cathode-ray images, this experimental film in 3D virtual reality literally plunges us into the sound and visual matrix at the heart of this archive. I Saw The Future immerses viewers in a three-dimensional space that echoes the futuristic predictions of a visionary humanist scientist.

SHORT FILM WORLD PREMIERE





Friday July 19th, 17:00 CET

IMANI, AKI, and JOHN step out of their comfort zone, embarking on critical mission to preserve their unique forest.

Introducing THE STELLARS from Creative Planet, a cinema-quality CGI animated movie designed with the youngest audiences in mind. This production is more than just entertainment; it weaves important educational themes into a character-driven story. It's the perfect blend of fun and learning, carefully crafted to spark the imagination and curiosity of young kids. The characters even break the "fourth wall" several times through the movie, to directly engage with the audience about their ideas.

The educational content of the movie explores the essentials necessary for plant growth, the diversity of Earth's ecosystems, and the critical role of forests as habitats. It underscores our bond with nature and our role in preserving it, along with the importance of the scientific method in understanding our world.



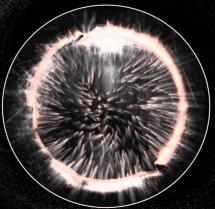


JANUS AWARD CEREMONY

FRIDAY July 19th, 19:00 CET

Announcing the winners of the 2024 FullDome Festival, live at the IPS-conference in the Zeiss-Planetarium Jena.

FUSION - ENERGY OF THE STARS



Friday, July 19th, 20:00 CET

Sonification and Visualization of Nuclear Fusion Data from "Institute of Plasma Physics", Special Guest: Prof. Zohm, Max Planck Institute for Plasma Physics (IPP), Garching





SATURDAY, July 20th

CET

09:00 MORNING SESSION

with Dan Neafus, KaChun Yu, Ryan Wyatt, Michael

Daut, Monica Bolles, Julieta Aguilera

14:00 AFTERNOON SESSION

with Joshua Sam Miller, Tom Ammermann, Sebastian Gauthier, Rocco Helmchen & Johannes Kraas, Tim

Florian Horn, Björn Voss, et alii

20:00 IMERSA DAY & FULLDOME FESTIVAL LIVE CONCERT

22:30 IPS Aftershowparty Illusive sphere: 12INCHKID



09:00 MORNING SESSIONS

with Dan Neafus, KaChun Yu, Ryan Wyatt, Michael Daut, Monica Bolles, Julieta Aguilera

25 Years of Fulldome: Personal revelations about what makes dome experiences so special. Demonstrations and discussion.

Luminaries of Fulldome & Fulldome Shorts

Fulldome announcements:
Best of Earth Fulldome Cooperative, Ryan Moore
One Earth Moment Equinox project, Micky Remann

14:00 AFTERNOON SESSIONS

with Joshua Sam Miller, Tom Ammermann, Sebastian Gauthier, Rocco Helmchen & Johannes Kraas, Tim Florian Horn, Björn Voss, et alii

Spheres of Influence. The dome as communal gathering places. Hear from leaders who strengthen relationships with their communities. Panel with dome demonstrations.

Creative Pioneers

Fulldome Innovators. Selected presenters and demonstrations



ILLUSIVE SPHERE: 12INCHKID Saturday, July 20th 22:30

Experience a fascinating journey through soundscapes in the unique ambience of the planetarium. The combination of DJ 12INCHKID's hypnotic drone ambient downbeat music with live visuals in the dome promises an immersive experience. Imagine how the abstract shapes and colors move in sync with the music and bring you to another dimension. A musical experience from outa space.



<u>Producer</u> Fulldome Festival Foundation

<u>Venue</u>

Zeiss-Planetarium Jena Am Planetarium 5 07743 Jena, Germany

Information

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www.tickets.fulldome-festival.net/

Festival Team

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









































































