



fulldomefestival<sup>2010</sup>

MAY 4 - 8, 2010  
ZEISS-PLANETARIUM JENA

PROGRAM

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The complete schedule is located on the center / middle page of this program.

## The Dome – Medium of the Future

From May 4th to 8th, 2010, the young international full-dome scene meets in the world's oldest planetarium. The festival broadens visitors' horizons to 360°, opening worlds of imagery beyond flat monitors and rectangular screens. Actions take place within a giant hemisphere above the heads of the audience. The enthusiasm of the full-dome fans is infectious. Their products aren't insiders' tips any longer but represent a new art medium in its own right – medium whose strength it is to immerse our senses in a space-filling sea of imagery (movies, videos, stills) and sound. The 4th Jena Full-Dome festival will present professional and student productions which invite viewers to revel in panoramic worlds of greatly varied kinds, including feature shows as well as short clips. New productions come from 11 countries, from Australia to India to the USA. The spectrum ranges from high-grade educational shows to experimental video graphics. Extraordinary contributions will be shown on each of the days, and the audience is invited to assess them. The "Students' Night" on Friday and the Festival Gala on Saturday promise to keep visitor in suspense again until the winners of the coveted Full-Dome Awards are announced. The Festival also includes forums for the authors to discuss the future potentials of the full-dome medium.

The organizers wish inspiring experiences to all Festival visitors from near and far.



Jürgen Hellwig  
Zeiss-Planetarium Jena



Micky Remann  
Bauhaus-Universität Weimar



Volkmar Schorcht  
Carl Zeiss AG



## Hola Amigos.

I write to add my voice to the choir of congratulations to the FullDome Festival 2010 organizers and my thanks to the generous creatives who have contributed to this exciting event.

What's happening here is important as this young and powerful fulldome medium grows. And that growth is best shaped and nurtured by the community of creators and innovators (and decidedly not from some titular vanguard as in Hollywood or IMAX.) That's what makes your presence and contributions so important. Not only are you supporting explorations into the art, science and storytelling of fulldome – in a word, redefining the planetarium in it's birthplace – but helping create the culture of the fulldome as a community-oriented medium that invites involvement and innovation.

Fulldome is an important countermeasure to the vanguard nature of most cinema, but more importantly we can offer a fundamentally different experience than fast and fractured media found in cyberspace. Instead of disposable content experienced individually, fulldome brings us together: Real people sitting side-by-side immersed in the same expressions filling eyeballs, ears, hearts and minds. A coalescing experience to counter the atomizing in today's world.

On DomeFest, we taking 2010 off to focus on research into new fulldome technologies. We'll return in 2011 with an expanded program to include 3D productions, new realtime systems and experiences, and an added thread of science storytelling. You can follow plans at [www.domefest.org](http://www.domefest.org) and I hope you can join us then. Until then, I hope you enjoy FullDome Festival 2010 as much I will.

David Beining  
DomeFest Executive Director  
Director of Immersive Media, ARTS Lab  
University of New Mexico



## Full dome Feature Shows

TITLE: **Our Living Climate**

PRODUCTION: **Melbourne Planetarium**

LANGUAGE: English

TIME: May 4, 5:45 pm

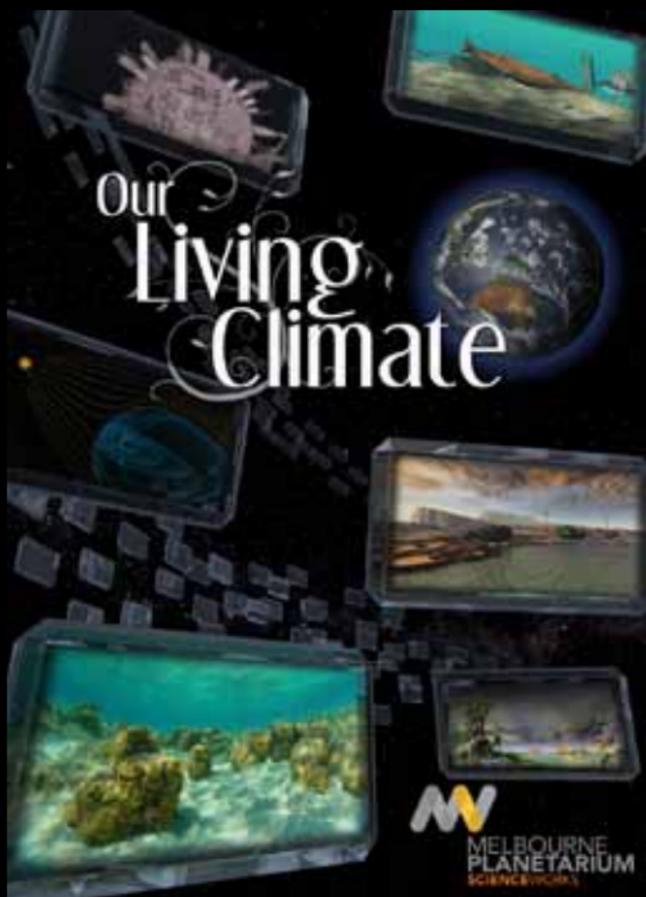
COUNTRY: Australia

RUNTIME: 28 min.

Experience a dramatic and different way of looking at climate and climate change.

In this new show, a visually spectacular story unfolds on a global scale, revealing how the climate first evolved and how it has been endlessly transformed by weather patterns, Ice Ages and the appearance of new life forms. Recent, man-made climate changes are shown in the context of changes in climate that have occurred throughout the Earth's history and by looking closely at our planet's place in the Solar System.

Floods or droughts, rain or shine, hot or cold; it all occurs within the remarkably thin veneer spanning the Earth – the atmosphere. Climate: the phenomenon that makes life on Earth possible.



TITLE: **Cosmic Dimensions**

PRODUCTION: **INTERMEDIA Klagenfurt**

LANGUAGE: English

TIME: May 4, 6:15 pm

COUNTRY: Austria

RUNTIME: 41 min.

The world in which we live, is familiar to us. The world out there though, is alien to us. When we hear of distances in light years or that our solar system was formed billions of years ago, it defies our imagination.

“Cosmic Dimensions” vividly makes distances and time periods comprehensible. To understand distance, we reduce the Earth to the size of an apple – how big are then the Sun and Moon? how far away are the other planets of the solar system? Hard to believe, but even if all the planets shrink to the size of fruit and vegetables, our cosmic home is still the size of a great city!

In order to explain unimaginable periods of time, we reduce the history of our universe to a working day – it’s then fascinating to see that the entire development of mankind, our cultural and scientific background, fits into just a few split seconds before the end of the day!

“Cosmic Dimensions” makes the universe a reality – for one working day we follow the employee Max. On the basis of his daily life, we shed light on space and time from fresh perspectives and make the unimaginable, imaginable.



TITLE: **Map to the Chocolate Planet**

PRODUCTION: **Aayushi Animations, Nashik**

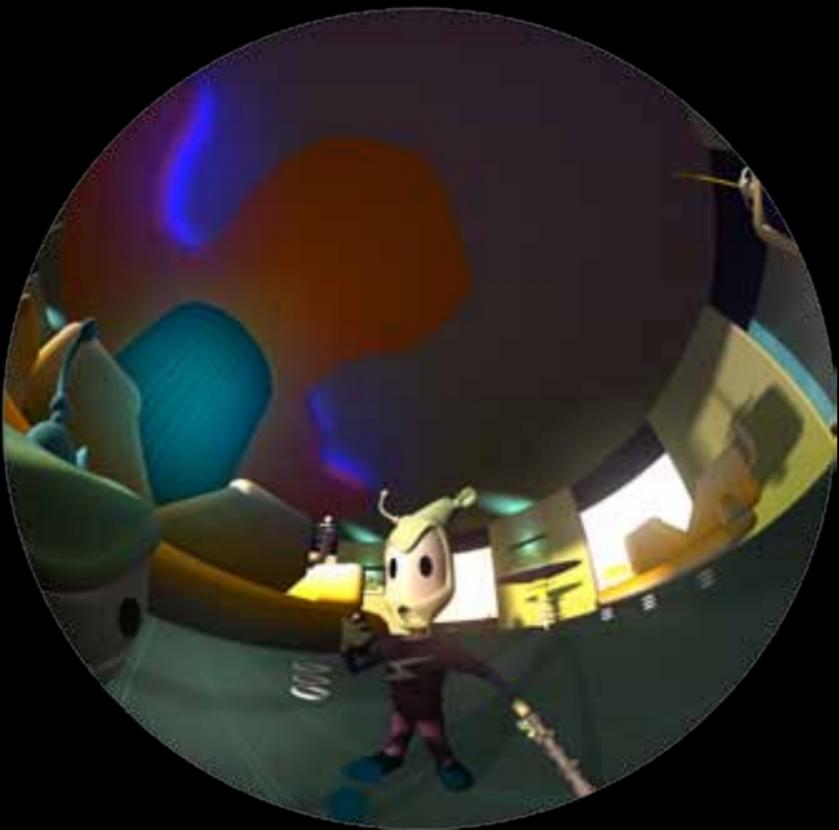
LANGUAGE: English

TIME: May 4, 7:00 pm

COUNTRY: India

RUNTIME: 27 min.

Two kids in another galaxy got the taste of chocolate. In search of some imaginary planet made up of chocolate, they travelled the universe leading to our Milky Way. Searching each planet of the solar system to derive which one is made of chocolate, they learn lots of other interesting facts about our Solar System. Will they be able to find the real source of their quest! Be part of the adventure and imagination of the two alien kids, who love our chocolate.



TITLE: **Fragile Planet**

PRODUCTION: **California Academy of Sciences,  
San Francisco**

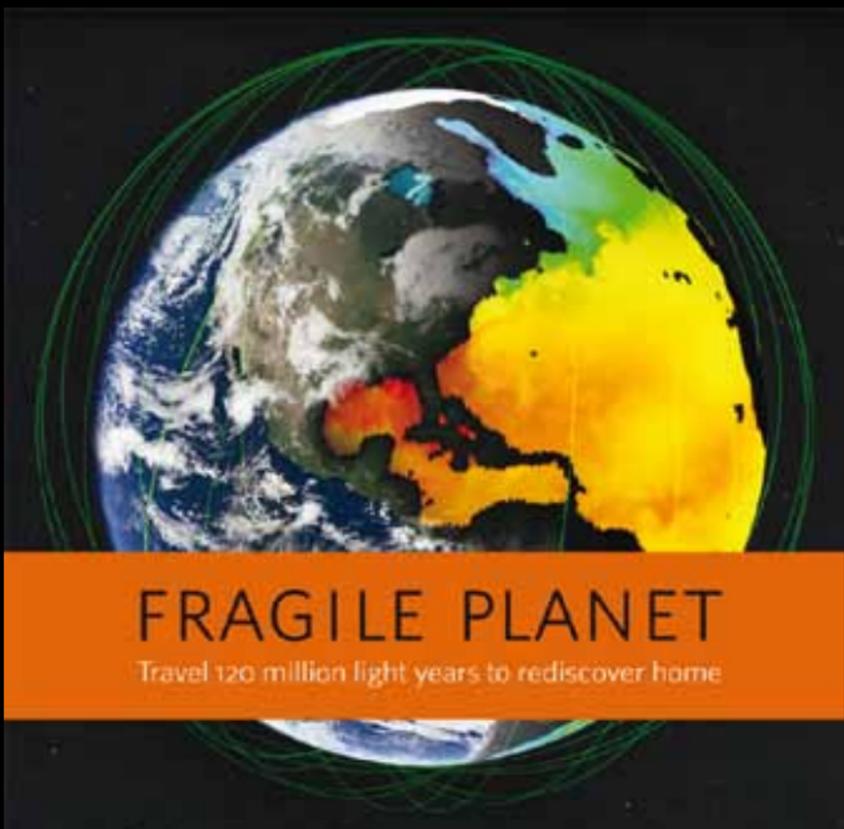
LANGUAGE: English

TIME: May 4, 8:00 pm

COUNTRY: USA

RUNTIME: 25 min.

The Academy's inaugural planetarium show, *Fragile Planet*, reveals how special Earth really is by taking visitors on a 30-minute round trip to the outer reaches of the universe. Visitors begin their voyage at the Academy, lift off through the atmosphere to gain an astronaut's view of Earth, then travel to the Moon, Mars, and beyond to search for habitats that might host extraterrestrial life. Narrated by Sigourney Weaver. *Fragile Planet* will redefine your sense of "home".



TITLE: **Solar Storms –  
A Tale of Twin Spacecrafts**

PRODUCTION: **Sky-Skan, Melrae Productions,  
K2 Communications**

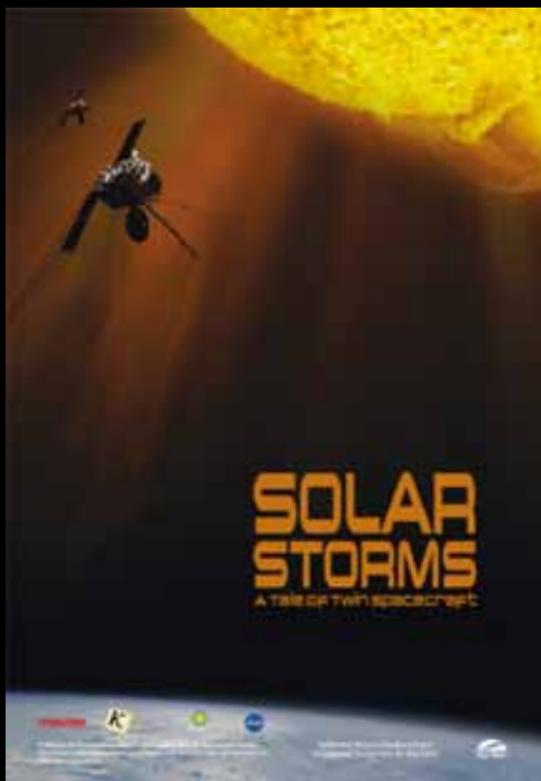
LANGUAGE: English

TIME: May 4, 8:45 pm

COUNTRY: USA

RUNTIME: 20 min.

From Earth, the Sun cannot be looked at with human eyes. Solar Storms gives the audience the opportunity to see the Sun up close. Stand above the arctic circle and witness the most brilliant auroras on Earth; take a ride on a solar blast from Sun's surface to Earth Magnetosphere, and come to a deeper understanding of what this vast sea of fire means to life here on Earth. For Sky-Skan's exclusive fulldome version, the original 3D animation files have been accessed, adding spherical stereo cameras and re-rendering each scene to take full advantage of the fulldome environment. Solar Storms for fulldome is no mere spherical transform but a completely custom scene-by-scene reproduction.



TITLE: **Galileo:  
The Power of the Telescope**

PRODUCTION: **Milwaukee Public Museum,  
Milwaukee**

LANGUAGE: English

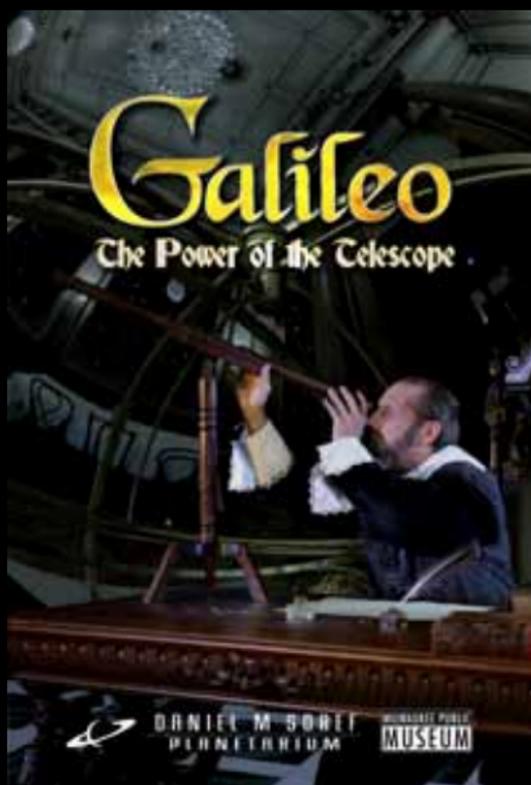
TIME: May 4, 9:15 pm

COUNTRY: USA

RUNTIME: 30 min.

Two eyes and two pieces of glass revolutionized human understanding 400 years ago. The eyes belonged to Galileo Galilei, and the pieces of glass were the lenses of his telescope. In *Galileo: The Power of the Telescope* – a Daniel M. Soref Planetarium original production – you'll learn Galileo's personal and powerful story, and explore how his discoveries displaced long-held views about the universe.

Travel back in time to Pisa, Italy, to experience Galileo's early experiments with gravity and the laws of motion, his advocacy of the idea that the Earth revolves around the sun, and his work with early telescopes. Learn how his keen observations culminated in *The Starry Messenger*, an early masterpiece in which Galileo described all his dazzling discoveries in a straightforward, easy to understand way.



TITLE: **3000 Years of Stargazing**

PRODUCTION: **Antares FullDome, Barcelona**

LANGUAGE: English

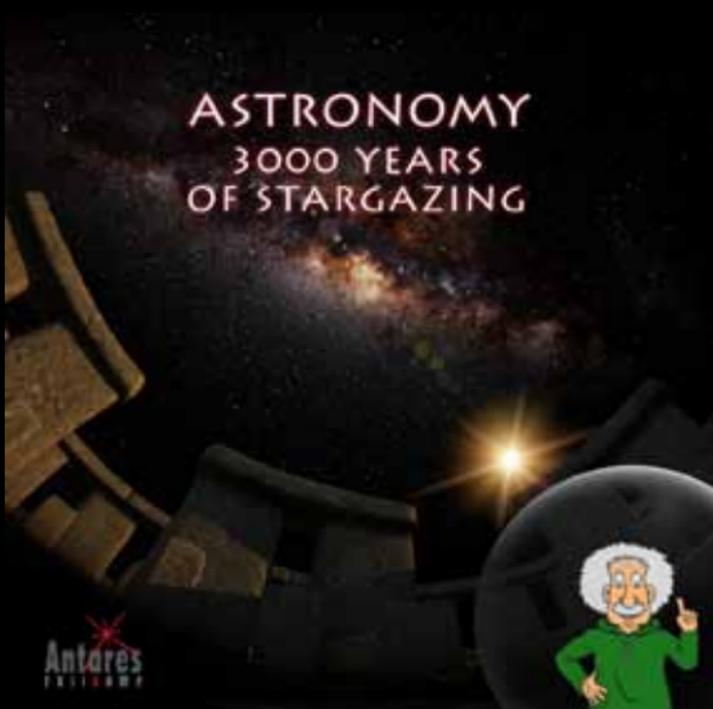
TIME: May 4, 10:15 pm

COUNTRY: Spain

RUNTIME: 34 min.

In the learned company of a cartoon Einstein, we'll be revisiting the major astronomical milestones of the last 3000 years, from the cosmological models of antiquity, through the Ptolemaic system and the epicycles, to the contributions of Copernicus, Galileo, Kepler, Newton and Herschel, amongst others. We'll also be reviewing the discoveries made possible by the use of technology, from the first telescope, designed by Galileo, to the modern ones in use both on Earth and in space, which have revealed the wonderful objects contained in the cosmos to us: nebulae, pulsars, black holes...

Only by looking back, and learning about sciences' great triumphs in the past, can we hope to catch a glimpse of what its future findings might be.



TITLE: **Moonwalk**

PRODUCTION: **Clea T. Waite, New York/Berlin**

LANGUAGE: English

TIME: May 4, 10:45 pm

COUNTRY: USA / Germany

RUNTIME: 30 min.

The stories of the Moon take us across history and cultures, introducing us to great literature, science, poetry, and music. Moonwalk is a history of humanity's relationship with the Moon. The Moon represents many things, from the forefront of scientific exploration to the most ancient of archetypal myths. It was the peaceful battleground of the Cold War and will be a junction point to Mars in the near future. It inspires love poems and lunacy, influences werewolves and the tides. It is a beautiful goddess and a silent lump of rock. Recipient of prayers, myths, poems, and dreams since the beginning of human consciousness, so recently reached by us for the first time, our Moon is soon never to be the same; is already altered.

Strolling on the Moon, it comes alive with history and poetry. Images emerge at different sights: Apollo 11 at the Mare Tranquilatis, Diana chasing a stag, the word moon as a mantra in countless different languages, and Laika's imaginings of a safe landing; dream-visions of the Moon in all her aspects. The Moon becomes a poem of itself as we traverse its surface.



TITLE: **Cosmic Dance**

PRODUCTION: **The Canadian Museum of Hindu Civilization, Toronto, LivinGlobe, München**

LANGUAGE: English

TIME: May 4, 11:45 pm

COUNTRY: Germany / Canada RUNTIME: 38 min.

Cosmic Dance, produced by LivinGlobe for the Canadian Museum of Hindu Civilization in Toronto, is an Immersive Cinema feature film with documentary content combined with fictional scenes and Bollywood-like dancing. It shows the parallels between Hinduism and modern science.

Suggestive images shot in India, Canada and Europe take the audience into a cosmic dance of creation and dissolution. Leela, a young Indian woman who is a student of physics in Toronto, discovers astonishing analogies between modern quantum and astrophysics on one side and Hindu knowledge and ancient Indian Vedic cosmology on the other side.

Matter und spirit are not separated, love connects the entire universe, divine energy reigns in each one of us. Hinduism, modern science and universal thinking are no contradiction but one reality.



TITLE: **Touching the Edge  
of the Universe**

PRODUCTION: **European Space Agency (ESA)**

LANGUAGE: English

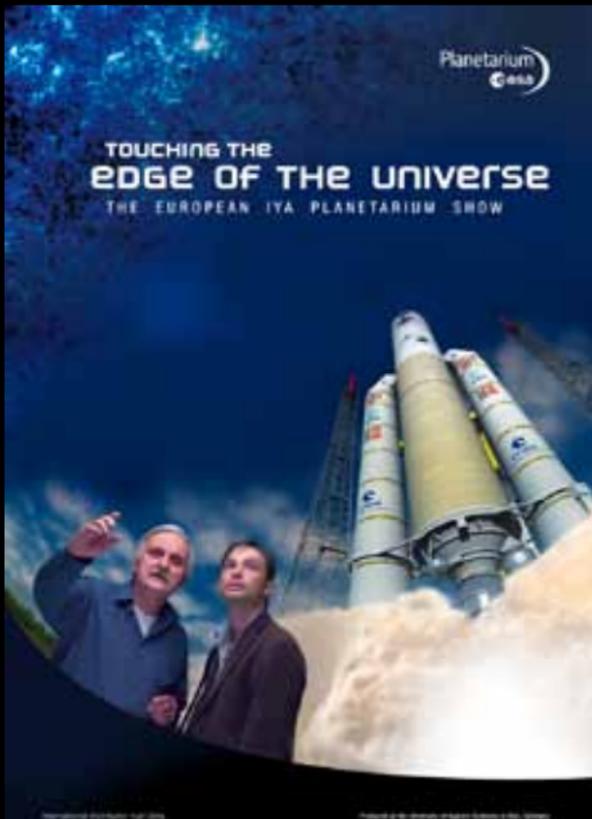
TIME: May 5, 5:45 pm

COUNTRY: Germany

RUNTIME: 30 min.

Four hundred years after Galileo Galilei's ground-breaking discoveries, two sophisticated scientific satellites are launched into space. They will look at very distant events in space that our eyes cannot see. They will observe the birth of stars and planets and look back to the very beginning of time. Touching the Edge of the Universe presents to you the secrets of the distant cosmos in stunning quality!

Created using the latest technology for fulldome, shot on location of the ESA's main working sites, featuring highly sophisticated 4K animated graphics, latest astronomical images and detailed scenes never before seen on a planetarium dome; produced with professional actors and the Red-One digital camera – this stunning 45-minute planetarium show sets a new benchmark for leading-edge edutainment.



TITLE: **Darwin and his Fabulous Orchids**

PRODUCTION: **Tilt Design Studio & Kiel University of Applied Sciences**

LANGUAGE: English

TIME: May 5, 6:15 pm

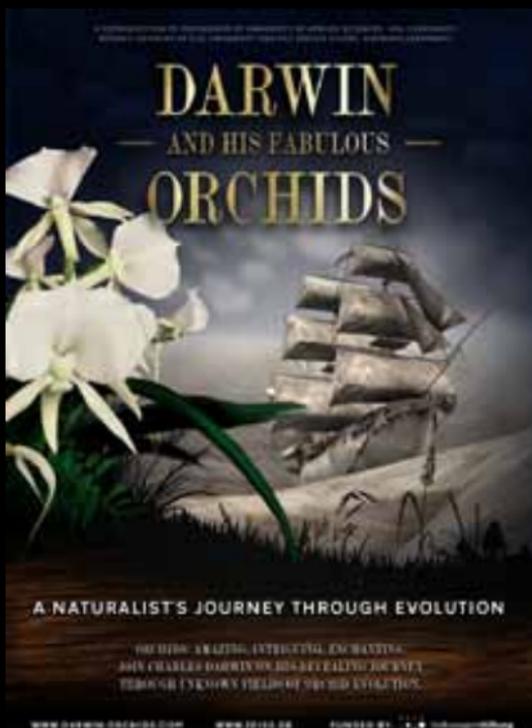
COUNTRY: Germany

RUNTIME: 43 min.

Aesthetic, unique, impressive – this show is an introduction to the largest and most varied family of plants and to the research carried out by Charles Darwin.

Orchids – as seen by Charles Darwin – help to understand his theory of the origin of species. Orchids amazed Charles Darwin who carried out intensive research on this family of plants.

The show invites to a fascinating journey into the secret life of orchids. In gigantic photographic close-ups, the audience will learn the tricks used by the orchids to ensure their reproduction. In the immersive dome, sheet upon sheet of paper on which Darwin recorded his research will turn into a paper ocean, the expedition ship “The Beagle” or the forest in which orchid hunters hoped to find everlasting fame. Like no other medium before, the Planetarium’s fulldome stage will enable to experience a sensuous sea of flowers as well as the life and times of Charles Darwin. Although the show is in every detail biologically and historically authentic, the humorous side is not neglected.



TITLE: **Violent Universe –  
Catastrophes of the Cosmos**

PRODUCTION: **Evans & Sutherland,  
Salt Lake City UT**

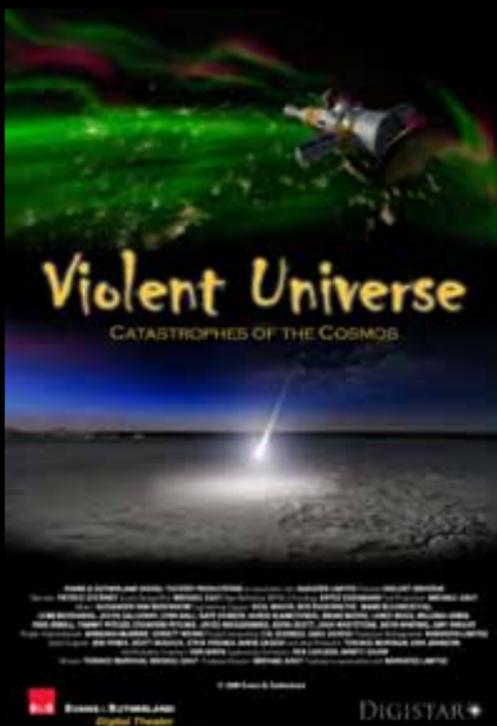
LANGUAGE: English

TIME: May 5, 7:00 pm

COUNTRY: USA

RUNTIME: 25 min.

The beauty of a starlit sky conceals the violent forces at work within our universe. From the upheaval of a giant star that explodes to release its material into space, to a future encounter between the Earth and a large asteroid that is too close for comfort, we will witness the forces that hold the universe together and occasionally try to rip it apart. Narrated by Patrick Stewart of Star Trek: The Next Generation and the X-Men films.



TITLE: **Tales of the Maya Skies**

PRODUCTION: **Chabot Space & Science Center,  
Oakland**

LANGUAGE: English

TIME: May 5, 8:00 pm

COUNTRY: USA

RUNTIME: 33 min.

Immerse yourself in the beauty of Chichén Itzá, Mexico, the “seventh wonder of the modern world.” Listen to the story of the ancient Maya civilization. Experience Tales of the Maya Skies. With unprecedented realism Tales of the Maya Skies immerses us in Maya science, art and mythology, using fulldome digital technology to transport us back into the world of the Maya. Produced by Chabot Space & Science Center, Tales of the Maya Skies inspires and educates through its description of the Maya’s accurate astronomical achievements and how astronomy connected them to the Universe.

Grammy Award winner and Oscar nominee, Lila Downs, narrates, as Tales of the Maya Skies brings us back to the ancient jungles of Mexico, where the Maya built cities and temples aligned to movements of the Sun, Moon, and planets. Over many years they observed and documented astronomical events with great accuracy.



TITLE: **We Are Astronomers**

PRODUCTION: **National Science Centre Creative,  
Leicester**

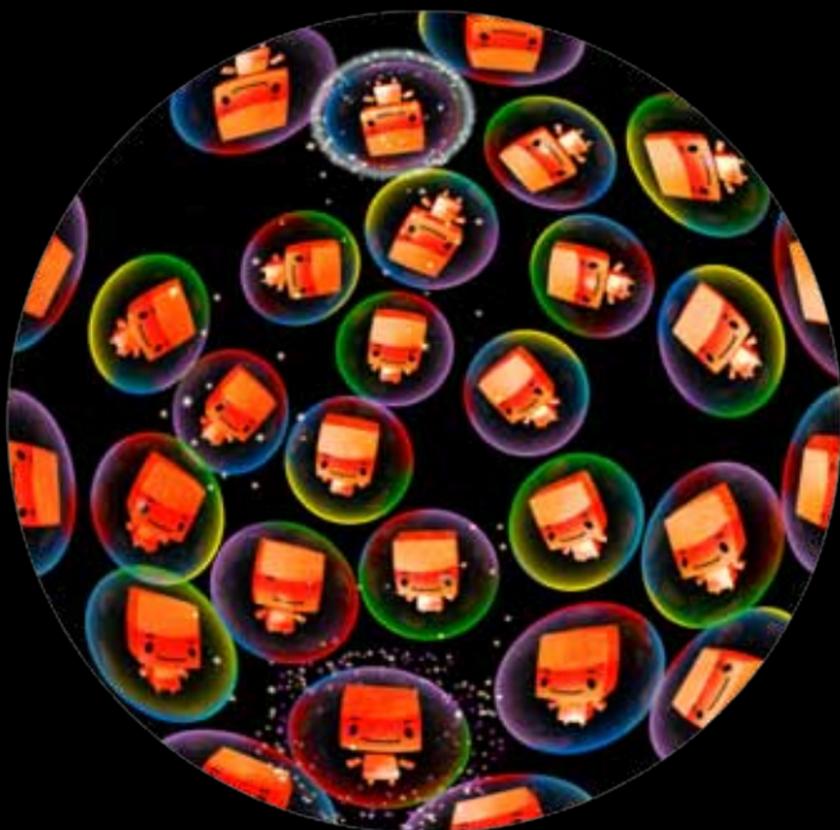
LANGUAGE: English

TIME: May 5, 8:45 pm

COUNTRY: United Kingdom

RUNTIME: 25 min.

Do you know what an astronomer does? Today's astronomer is not the lone observer of past centuries. **We Are Astronomers** reveals the global collaboration, technology and dedication required to answer the unresolved questions of the Universe. This brand new show provides a visually stunning tour of contemporary astronomy using beautiful 360° full-dome imagery.



TITLE: **STELLA NOVA – The Search for Your Origin**

PRODUCTION: **Swiss Museum of Transport, Lucerne**

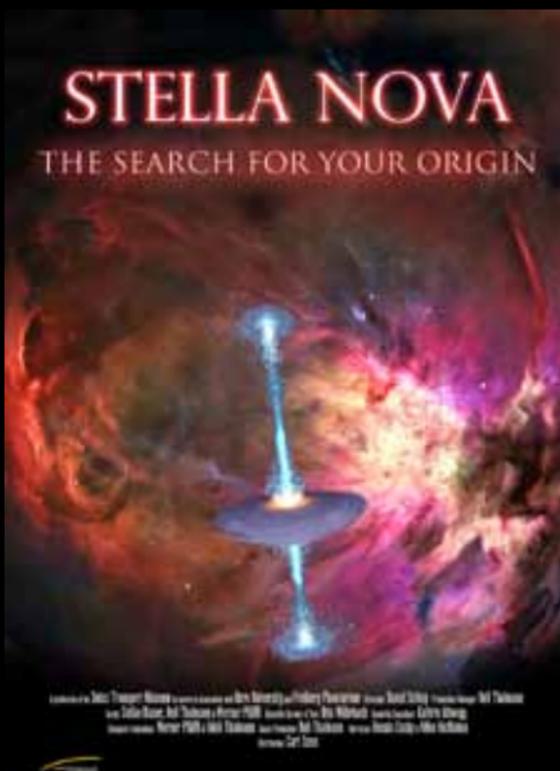
LANGUAGE: English

TIME: May 5, 9:15 pm

COUNTRY: Switzerland

RUNTIME: 34 min.

You leave the Earth's protective gas envelope and fly into space. A meteorite explodes above the tundra. The search for the source of this cosmic projectile takes you deep into space. In the Orion nebula, you discover various stellar precursors. At a highly accelerated time rate, you watch the collapse of a cosmic cloud and its development to a shining star with its planets and moons like those of our solar system. The Planetarium sinks into the waters of the young Earth. Life emerges. Our destiny and our origin are closely linked with the birth and death of the stars. What is a star? How does it function? How do stars end their lives? You will leave the Planetarium with interesting answers to the question of our origin!



TITLE: **Across the Universe -  
The Voyager Show**

PRODUCTION: **Prokyon Movie Productions, Ju-  
denburg, signSTUDIOS Graz**

LANGUAGE: English

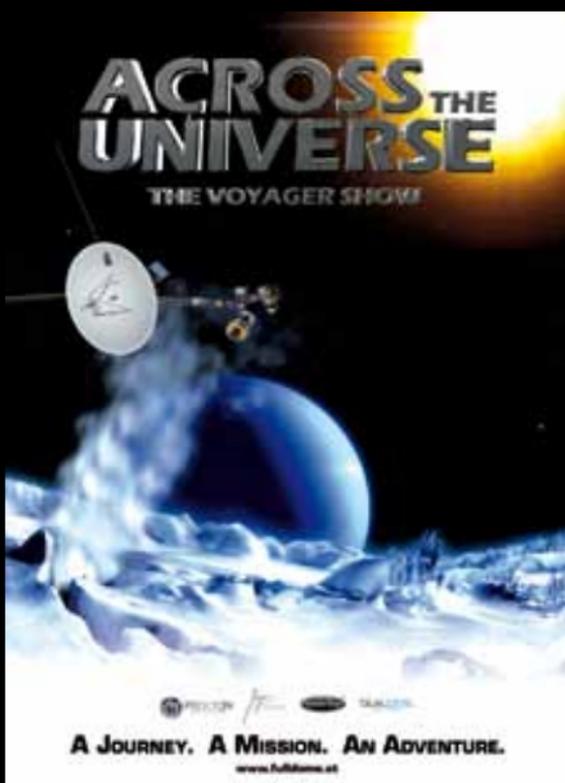
TIME: May 5, 10:15 pm

COUNTRY: Austria

RUNTIME: 33 min.

Cape Canaveral, August 20th, 1977. The human race is starting one of the most important missions in space research. Knowing the unique moment a deep space probe named Voyager 2 is delivered to space by the powerful Titan-3E-Centaur rocket. 16 days later NASA started the spacecraft Voyager 1 to follow her twin. Their mission: Close-up studies of the four outer, so called gas giants of our solar system. Even at date the only available material of Uranus and Neptune are the innumerable recordings taken by these probes.

Across the Universe provides a visual fulldome experience in retrospect of the Voyager probes and their successful missions.



TITLE: **Connections**

PRODUCTION: **Bays Mountain Planetarium,  
Kingsport**

LANGUAGE: English

TIME: May 5, 10:45 pm

COUNTRY: USA

RUNTIME: 34 min.

Connections is an incredible journey that you'll take from our own back yard to the farthest reaches of space. It immerses you in a multitude of environments in which you are literally surrounded with beautiful imagery and sound. From the serenity of a wooded forest to the awe-inspiring majesty of the constellations, planets, galaxy, and universe, you'll be amazed to see that we are all connected.

The focus being on how all things are connected. We learn by our senses to see that a forest, a field, or deep space are all three-dimensional and that we can move about to gain an understanding of our place in the cosmos. Our movement on land, an animal's motion in a forest, or a planet's rotation and revolution are all different examples of how things move. Part of our connection with the night sky is through the history of observations and mythology.



TITLE: **tempus.ruhr**

PRODUCTION: **Rocco Helmchen**

LANGUAGE: n. a.

TIME: May 5, 11:15 pm

COUNTRY: Germany

RUNTIME: 22 min.

tempus.ruhr takes the audience on a dynamic night trip around the Ruhr metropolis. The combination of time lapse and 360° video opens up new perspectives of sites of industrial culture, traffic, industry, daily routine and art. The “film” paints an unconventional portrait of Europe’s largest conurbation and attempts to fuse past and present of this year’s European capital of culture into an immersive audiovisual experience.



**TITLE:** The Zula Patrol: Down to Earth

**PRODUCTION:** Zula International, Spitz Inc. and Evans & Sutherland

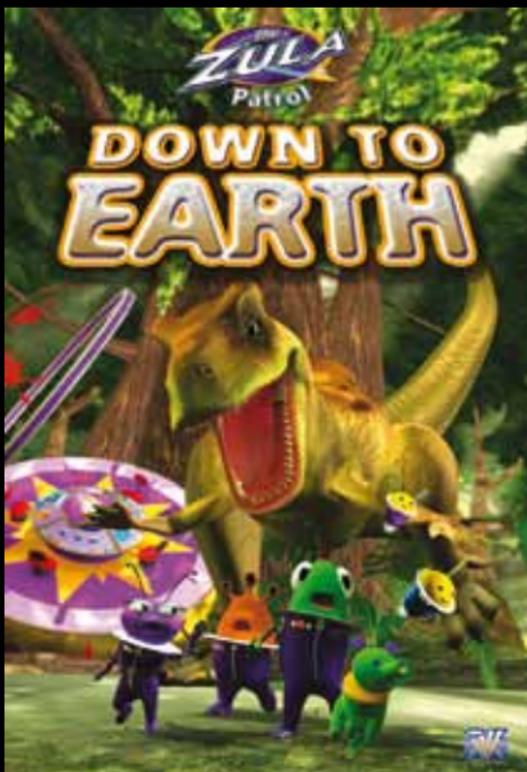
**LANGUAGE:** English

**TIME:** May 6, 5:45 pm

**COUNTRY:** USA

**RUNTIME:** 24 min.

In their latest fulldome adventure, The Zula Patrol takes a rollicking ride into the past to save Earth from almost certain disaster! In the process, our heroes discover all about the formation and development of Earth, and the life forms who call it home. The Zula Patrol: Down to Earth is based on the award-winning TV series, The Zula Patrol, now reaching 300 million households worldwide. The Zula Patrol: Down to Earth is a co-production of Zula International, Spitz, Inc. and Evans & Sutherland.



TITLE: **Die Macht der Sterne**  
(Power of the Stars)

PRODUCTION: **Planetarium Hamburg**

LANGUAGE: German

TIME: May 6, 6:15 pm

COUNTRY: Germany

RUNTIME: 24 min.

How can stars control what happens on Earth? What did our early ancestors believe in that respect, and what do we know today?

Join us on a trip through time and space. Accompany archaeologists and astronomers; decipher with them the famous Nebra Sky Disk, arguably the oldest artistic representation of the starry sky. See how mankind's concepts of the structure of the world have since changed. Learn more about the cycles of Sun, Moon and the stars, which have had a formative influence upon life on Earth from its beginning to this day. Let yourselves be amazed what astronomers of today have found out about the undreamt-of powers of the Sun and the stars.

Be prepared for a spectacular expedition from the „smithied heavens“ of the Bronze Age to star observations in the space age. This star trip of Hamburg Planetarium was produced with collaboration from the State Museum of Prehistory in Halle, Saxony-Anhalt.



TITLE: **Earth, Moon & Sun**

PRODUCTION: **Morehead Planetarium &  
Science Center, Chapel Hill**

LANGUAGE: English

TIME: May 6, 7:00 pm

COUNTRY: USA

RUNTIME: 29 min.

This planetarium show explores the relationship between the Earth, Moon and Sun with the help of Coyote, an amusing character adapted from Native American oral traditions who has many misconceptions about our home planet and its most familiar neighbors. His confusion about the universe makes viewers think about how the Earth, Moon and Sun work together as a system. Native American stories are used throughout the show to help distinguish between myths and science.

Learn why the Sun rises and sets and the basics of fusion and solar energy. Examine the Moon's orbit, craters, phases and eclipses. Also, the show explores past and future space travel to our Moon and beyond.

Students in grades two through five will especially enjoy this look at the Earth-Moon-Sun system, though audiences of all ages can appreciate learning the science behind the myths.



TITLE: **Natural Selection**

PRODUCTION: **Mirage3D**

LANGUAGE: English

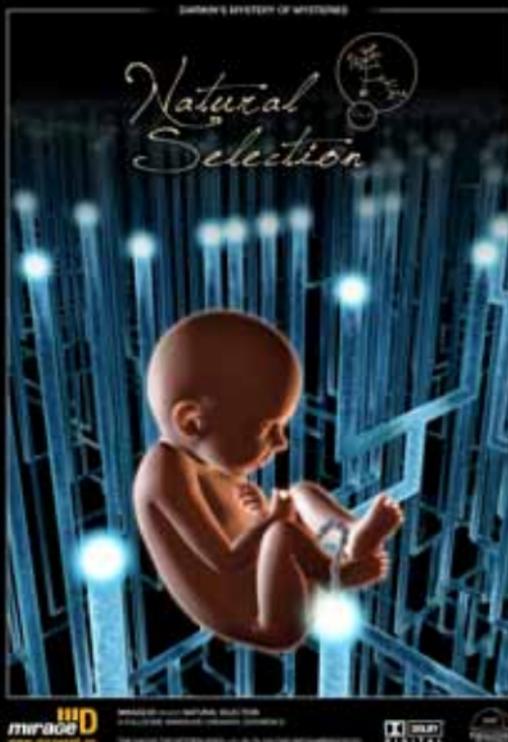
TIME: May 6, 8:00 pm

COUNTRY: The Netherlands

RUNTIME: 40 min.

Join the young Charles Darwin on an adventurous voyage of exploration circumnavigating the World with the HMS Beagle. In Victorian times many physical phenomena were already discovered and described by natural laws, but life's most eloquent mechanism was still unknown: How could new species arise to replace those lost in extinction? It was time for someone to stand up and come forth with a Naturalist explanation of this mystery of mysteries. Witness the thrill of scientific discovery by seeing the World through Darwin's eyes, make observations of the most beautiful natural scenery and let the pieces of the scientific puzzle slowly but surely fall into place.

Allow Darwin himself to reveal this simple and most beautiful mechanism that explains the Evolution of all Life on Earth: Natural Selection, the single most wonderful idea anyone has ever had...



TITLE: **Rendez-Vous**

PRODUCTION: **Montpellier Agglomération & Cité de l'Espace, Toulouse**

LANGUAGE: English

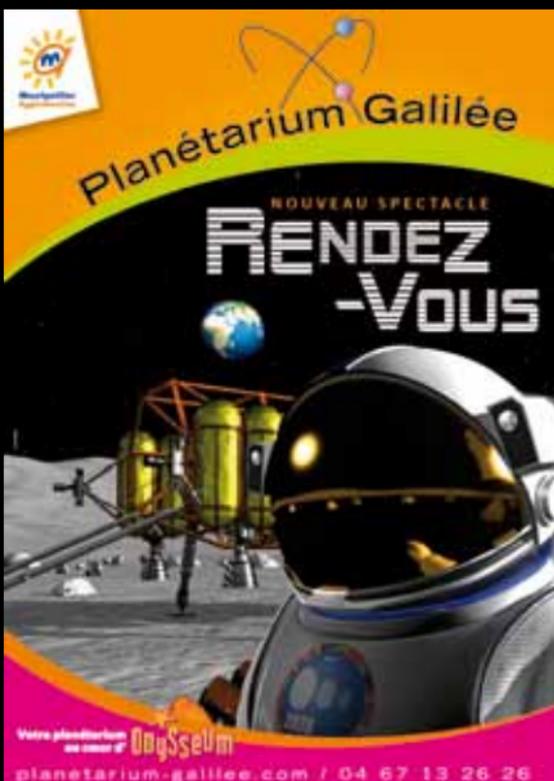
TIME: May 6, 8:45 pm

COUNTRY: France

RUNTIME: 26 min.

Rendez-Vous reports on two astronauts on the moon in the year 2028. The task of their mission on a space station at the south pole is uncovered only at the end of the show. The two friends spend the time observing the Earth and reflecting the connection between Earth and Moon. The Moon has fascinated mankind since the beginning. Its genesis, its importance for the Earth climate and the synthesis of life on Earth are important parts of the show. The show also displays reasons for returning to the Moon long time after the Apollo mission. The audience is invited to take a walk on the Moon, while you learn many details about it and its connection to the Earth.

Rendez-Vous is a scientific-technical excursion with amazing images.



TITLE: **Evolution**

PRODUCTION: Planetario de Pamplona, Museos Científicos Coruñeses, Museo de las Ciencias de Castilla La Mancha

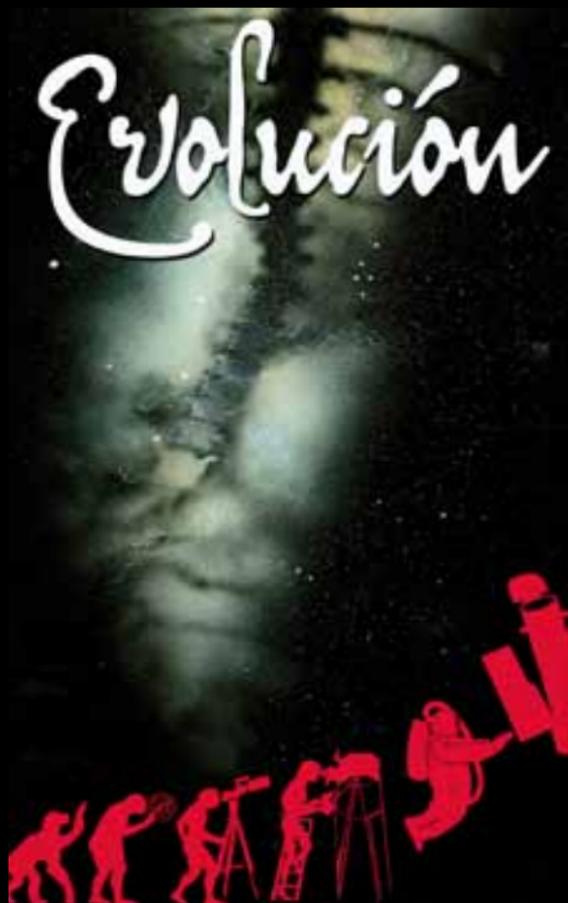
LANGUAGE: English

TIME: May 6, 9:15 pm

COUNTRY: Spain

RUNTIME: 26 min.

The planetariums of Pamplona, A Coruña and Cuenca proudly present an audio-visual production dedicated to the International Year of Astronomy and the Year of Darwin in 2009. It's one of the first productions in video full-dome format, which has more or less premiered in all Spanish planetariums which possess the digital video technology of full-dome projections. This double celebration sets out upon a journey through space and time, whereby astronomy and biology become a part of a discourse across our own evolution.



TITLE: **Astronomyths**

PRODUCTION: **White Tower Media, Athens**

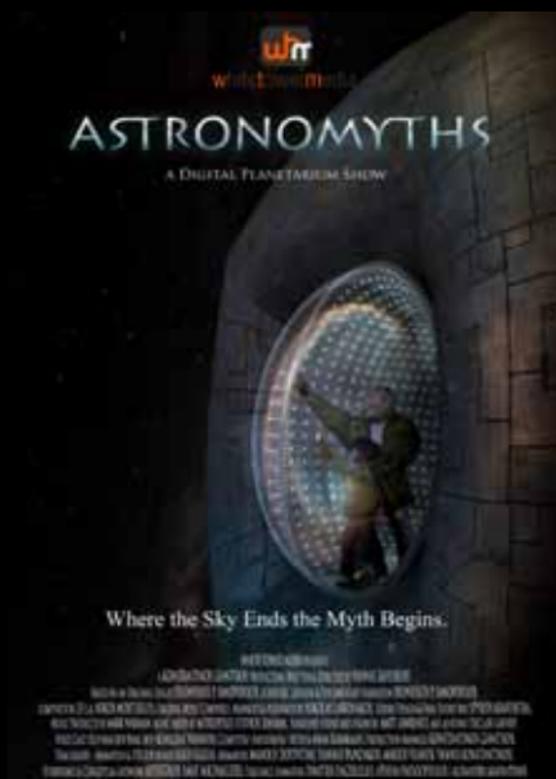
LANGUAGE: English

TIME: May 6, 10:15 pm

COUNTRY: Greek

RUNTIME: 24 min.

The universe is a circle, and everything in it revolves; every single End, finds an equal Beginning and together the whole world goes round and round forever and ever. The universe of ASTRONOMYTHS is no different. The beginning emulates the end (despite a very surprising twist that will leave you aching for more), and in a journey that lasts under half an hour you will be transported across light years of wondrous sights & sounds. You will witness galactic events that outlast the lifetime of solar systems (list with all astronomika). You will bend the Laws of Nature and will travel from the smallest of the small to the grandest of the grand. You will meet ancient mythological beings in person and will fight terrible monsters, trying to become heroes yourself.



TITLE: **Realm of Light**

PRODUCTION: **Softmachine, Munich**

LANGUAGE: English

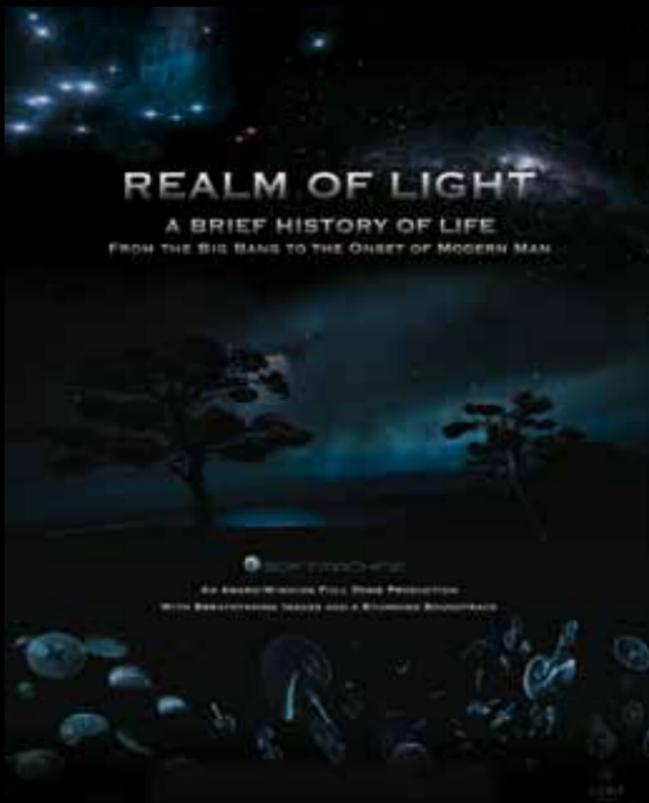
TIME: May 6, 10:45 pm

COUNTRY: Germany

RUNTIME: 25 min.

Realm of Light is the latest fulldome feature produced by Softmachine. With its stunning special effects, this entirely 3D animated fulldome production is designed in any aspect for the immersive theater – a completely new dimension of filmed visualisation.

The film tells in breathtaking pictures the story of the genesis and the evolution of the universe and our world – from the big bang until today. A philosophical approach to the origins of space and our life.



<b>Tuesday, May 4</b>	pm	page
The Making of „Fragile Planet“, Ryan Wyatt	4:30	
The Making of “Our Living Climate”	5:00	
Welcome	5:30	
Our Living Climate	5:45	8
Kosmische Dimensionen	6:15	9
Map to the Chocolate Planet	7:00	10
Break	7:30	
Fragile Planet	8:00	11
Solar Storms – A Tale of Twin Spacecrafts	8:45	12
Galileo: The Power of the Telescope	9:15	13
Break	9:45	
3000 Years of Stargazing	10:15	14
Moonwalk	10:45	15
Cosmic Dance (world premiere)	11:15	16
<b>Wednesday, May 5</b>	pm	page
The Making of “Violent Universe”	5:00	
Welcome	5:30	
Touching the Edge of the Universe	5:45	17
Darwin and his Fabulous Orchids	6:15	18
Violent Universe – Catastrophes of the Cosmos	7:00	19
Break	7:30	
Tales of the Maya Skies	8:00	20
We Are Astronomers	8:45	21
Stella Nova	9:15	22
Break	9:45	
Across the Universe - The Voyager Show	10:15	23
Connections	10:45	24

tempus.ruhr (world premiere)	11:15	25
<b>Thursday, May 6</b>	pm	page
The Making of "Astronomyths"	5:00	
Welcome	5:30	
The Zula Patrol: Down to Earth	5:45	26
Die Macht der Sterne	6:15	27
Earth, Moon & Sun	7:00	28
Break	7:30	
Natural Selection (world premiere)	8:00	29
Rendez-Vous	8:45	33
Evolution	9:15	34
Break	9:45	
Astronomyths	10:15	35
Realm of Light	10:45	36
Voices in the Dark	11:15	37

### **Friday, May 7 - Day**

	pm	
IMERSA.org Public Forum (Immersive Media Entertainment, Research, Science & Art) "Celebrating and promoting immersive digital experiences for education and entertainment in planetariums, schools, museums and attractions"	5:00	
Break	7:30	

**Friday, May 7 - Night** pm page

FullDome Students' Night 8:00 39

Contributions exclusively from students enrolled at universities - 12:00

inside and outside Germany will be selected, assessed and shown in public. Contributions may have a maximum length of 5 min and must have been produced after May 1st, 2009.

Outstanding student shows will be included in the Festival Gala program and are eligible for the FullDome Awards as decided by the jury and the public.

**Saturday, May 8** pm

FullDome Festival Gala 8:00 57

This event will present outstanding student contribution and clips from all areas of the fulldome medium - 12:00

as shortlisted by the jury, as well as the prizewinning full-length feature show. FullDome Awards will be presented to the best student entries: Creative and Performance Awards as conferred by the jury, and the Audience Award as decided by the spectators' ballot.

TITLE: **Voices in the Dark**

PRODUCTION: **Dramatico Entertainment,  
Munich**

LANGUAGE: n. a.

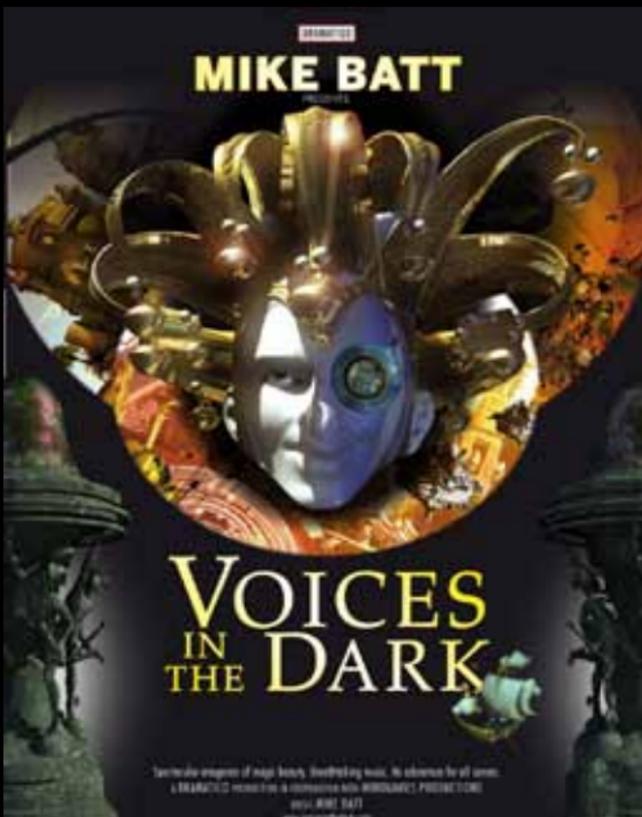
TIME: May 6, 11:15 pm

COUNTRY: Germany

RUNTIME: 45 min.

Enter a magical world. Dare to believe your eyes. Nothing here is just what it seems at first glance: a postcard as a portal to a lost city, tarot cards which come to life or floating ballet dancers in virtual worlds. A symphony of sounds, pictures and emotions takes you away to a mysterious universe.

Now, Mike Batt has, together with Terry Rudat and Mindgames Productions, gathered a team of superb, creative 3D designers, illustrators, dancers and video artists to visualise his epic musical work in spectacular visual worlds. The spectator sets out on a breathtaking journey through a magic, audiovisual universe which is created in and through Mike Batt's music. *Voices in the Dark* takes you to completely new audiovisual dimensions and surprises the spectator to the very last.



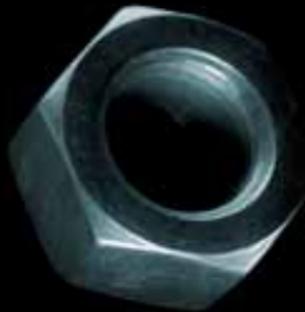


## Full dome Students' Clips

TITLE: **Zug No 1**

ARTIST: **Ivan Robles,  
Offenbach Academy of Art and Design**

Sound and visuals are synchronized within a cosmos of nuts and screws. The two elements evolve into abstract and organic shapes..



TITLE: **The Elevator - Der Aufzug**

ARTIST: **Liliane Buckler, Offenbach Academy of  
Art and Design (HfG Offenbach)**

A Dark Room, Virgin Soil. -  
A speechless travelogue from the nearest place of the world.



TITLE: **TIME SQUARES**

ARTIST: **Simon Rauh, Univ. of Appl. Sciences Mainz**

"Time Squares" approaches the subject of time in a both documentary and installation-like manner. Five protagonists are positioned under the 360° dome. With short statements and a string of photographic moments flashing up serially, an audiovisual mosaic is created.



TITLE: **Frühling, Sommer, Herbst und Winter**

ARTIST: **Wen Yuxiang, Weimar Bauhaus University**

"Spring, Summer, Autumn and Winter" tells four short stories set in the four seasons, respectively, about two monks and their Buddhist way of life.



TITLE: **Chroma Elements**

ARTIST: **Alexander Stephan,  
Weimar Bauhaus University**

Chroma Elements is an atmospherical musical visualisation. The shortfilm is created with the help of a special stereoscopic technique called

“Chroma Depth” and lets the viewer experience an immersive 3D space.

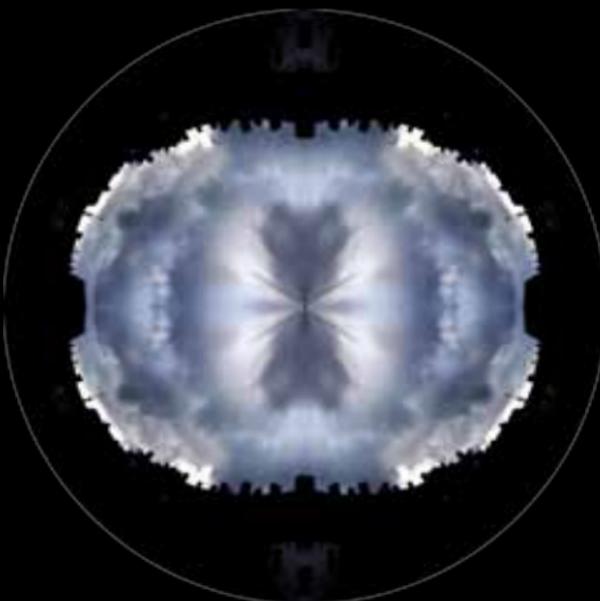


TITLE: **IN MEINEM KOPF**

ARTIST: **Hanna Bork, HfG Offenbach**

Instead of cinema in the brain, here you have brain in the cinema! Dive into a young woman’s world of ideas, with everything belonging to it: Flowers, clouds, hares, ... – though just a

bit different than you might expect. A psychological introspection.



TITLE: **Spiritual, Material,  
Intellectual–Magnetic  
Itten's Color Theory**

ARTIST: **Katarina Sengstaken,  
Weimar Bauhaus University**

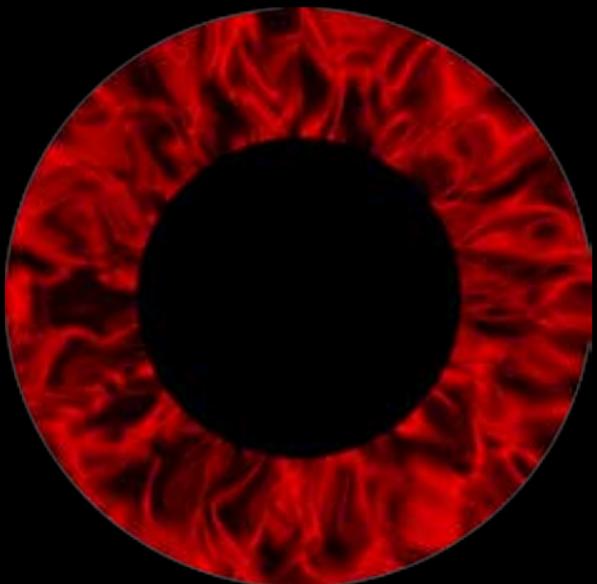
It is a three minute animated feature that uses the dome as a virtual art gallery to explore the existential theories and artwork, of Bauhaus primary course artist, Johannes Itten.

Itten was a controversial character, and often overshadowed by other Bauhaus artist like Albers and Kandinsky. Itten research into color theory is still thought in graphic design. The dome takes some of his sketches and paintings off the page and into a 4-dimensional environment, so that the viewer can experience the colors and forms from all around. He believed that colors and shapes were much more than the fundamental elements of art and design, but also had esoteric properties – like how colors relate to astrology, sexuality and the elements. Itten dealt with the relationships of the colors, as well with shapes through out his carrier. He theorized on how colors tie to ones astrological sign, and how colors complement and contrast one and other.

TITLE: **Kein huebscher Einfall**

ARTIST: **Rita M. Hausberger & Daniela Stade,  
Weimar Bauhaus University**

You're sitting in the theatre. The curtain is closed. You're poised and waiting. The show is about to begin. For the next hour and a half, you'll be sitting in your chair, enjoying an old classic. Entertainment awaits. But if everything seems to be going well, you've obviously overlooked something. You are the entertainment of the evening.



TITLE: **2Private**

ARTIST: **Stefan Bernhardt, Christoph Schreiber,  
Weimar Bauhaus University**

Many Internet users resort to social networks to be in touch with people or exchange information. Many don't know the risks involved in such networks, though. In "2Private", learn from two persons' experience what you should pay attention to when presenting yourself on the Web.

The producers attached importance to avoiding any moralizing undertone. In an entertaining manner they supply useful tips on how to deal with so-called social networks.



TITLE: **Orange**

ARTIST: **Marcus Feist,  
Kassel School of Art and Design**

A couple of orange halves live a joint life of affectionate love. The dream is destroyed when she suddenly lies on the ground next to him, dead. His is beside himself with distress.



TITLE: **Petty Tyrant**

ARTIST: **Alexander Schumann ;  
Weimar Bauhaus University**

Did you ever catch insects in jars when a child? This short film puts the viewer in the place of such a wretched creature. Helpless and at the mercy of a little boy, the insect and, thus, the viewer, suffers ill-treatment.



TITLE: **Frühstück**

ARTIST: **Dennis Stein-Schonburg,  
Kassel School of Art and Design**

An animation that integrates the audience into what's going on. Some light leaking in through the dome suggests a world outside it, which the viewer can only suspect for a long time. Little by little, he or she gains insight and finally becomes part of that world.



TITLE: **Trickbox**

ARTIST: **Hyun-Jea Lee, Bauhaus-Uni Weimar**

Trickbox was created by a BUW student and is known for making videotricks. For the Fulldome Festival Trickbox started experimenting with panoramic projection. Actually expensive cameraequipment is needed for fulldome video, so most of the clips are computer generated 3D or animation. Trickbox makes it

possible to produce quite good non-3D video with low budget equipment. It is again the magician, who doesn't look like one, played by the artist Benedikt Braun, entertaining the audience with tricks.



TITLE: **Blind**

ARTIST: **Hong Xiao, HfG Offenbach / Tongji University, Shanghai**

In dome film "Blinde", the image is likely to be from the imagination of a man in the bar who can not see. He is able to raise his own visual by smelling, hearing, touching and feeling. The Story:

The surroundings are quite load and full of all kinds of sounds from the bar people. But when the man smells a girl, everything changes. He can almost "see" the charming girl and get her figure. The reality is far from the dream. Doing the best to enjoy the life you have is important.



TITLE: **The door of Tai Chi**

ARTIST: **Wei Lin, HfG Offenbach / Tongji University, Shanghai**

According to the philosophy of the Taoist, this video use the “Tai Chi” image to reflect the human comedy.



TITLE: **Super Golden Years**

ARTIST: **Hannes Wagner, Thomas Fritzsche, Florian Meyer, André Wünsch, Samuel Klemke, Weimar Bauhaus University**

Long time ago he was a hero, strong, impressive, fighting for Freedom and Justice, defending the earth from evil minions. But nowadays Captain Stronghold first Hero of the Golden Age is an old man, his fame long gone like all his Companions and foes... except for one; The Czar, his archenemy. But even this criminal mastermind seems to be vanished and old Stronghold is close to give up his search... A narrative comic full dome short movie, guessing what will happen if the heroes grow old.



TITLE: **Spacemaus**

ARTIST: **Christoph Enzingmüller, Ina Mnich,  
University of Applied Sciences (FH Kiel)**

Lili, the little space-mouse, learns a lot from her friend, an old star, about the life and death of stars. The story is narrated to appeal to children.



TITLE: **Ich und mein Computer**

ARTIST: **Berit Jensen, Rahel Focking, FH Kiel**

Visualization of the song "Ich und mein Computer" by Deichkind



TITLE: **Nightmare**

ARTIST: **Daniel Egerer, Daniel Mielcarek, FH Kiel**

A nightmare in the abstract.



TITLE: **Die Geschichte vom kleinen Hasen und dem großen Bären**

ARTIST: **Marit Persiel, Lisa Kaltenbach, FH Kiel**

(The Tale of the Little Hare and the Big Bear)

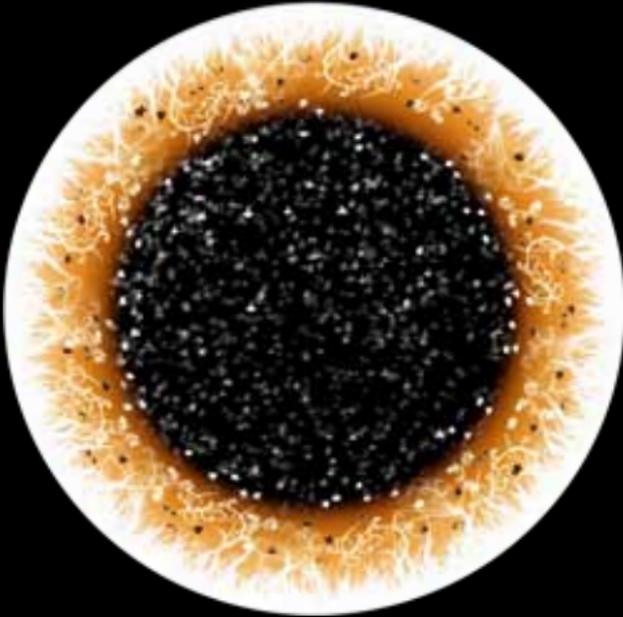
The fox explains the legend of the Big Bear to the hare. A children's version of the ancient legend about one of the best-known constellations.



TITLE: **Seasons**

ARTIST: **Judith Meyhoefer, Tina Moebes, FH Kiel**

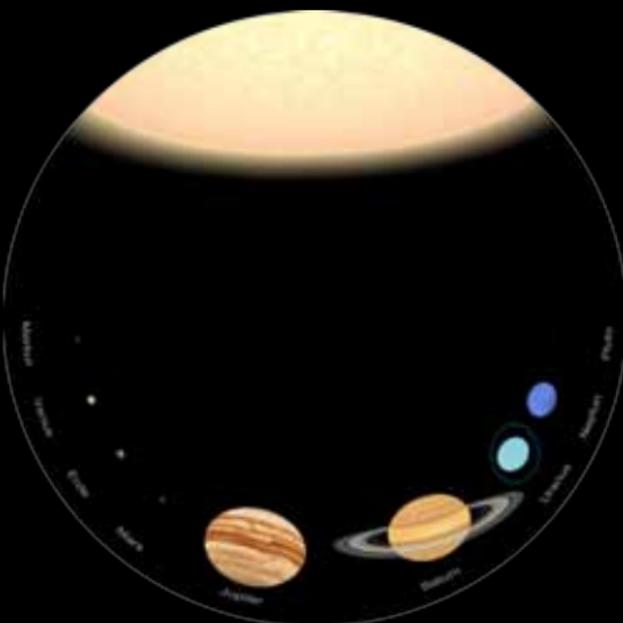
Artistic interpretation of the seasons.



TITLE: **Mars auf Fahrt**

ARTIST: **Linus Krebs, Silvia Marinova, FH Kiel**

Mars, in a bad mood, meets other planets of the solar system.



TITLE: **Greifomat**

ARTIST: **Marcel Timm, Lennart Klostermann,  
FH Kiel**

The dome, from the viewer's perspective, is extricated from an automatic gripper.



TITLE: **Above**

ARTIST: **Florian Meyer, Bauhaus Uni-Weimar**

As homage to Paul Klee, this clip shows how a synthesis of painting and sound can be defined as a particular form of composition. The protagonist, a tightrope performer, appears in this connection

as an abstract figure of the balancing act. Detached from the planarity of the square picture, he causes confusion in the three-dimensional image on the dome.



TITLE: **Wander**

ARTIST: **Barbara Ryckman,  
University of New Mexico**

A conversation between a living and its' barren satellite across the space between them. Earth and Moon wander around one another as they rise and set in each others' sky.



TITLE: **To Heal and To Restore...**

ARTIST: **Brain Fejer, University of New Mexico**

To Heal and To Restore... Contains samples from NASA, ABC NEWS, President Roosevelt, President Bush, President Obama, and 'To Heal and To Restore Broken Bodies' by Underworld.



TITLE: **Cambient**

ARTIST: **Cameron Smith,  
University of New Mexico**

Multi-colored computer generated fractals.



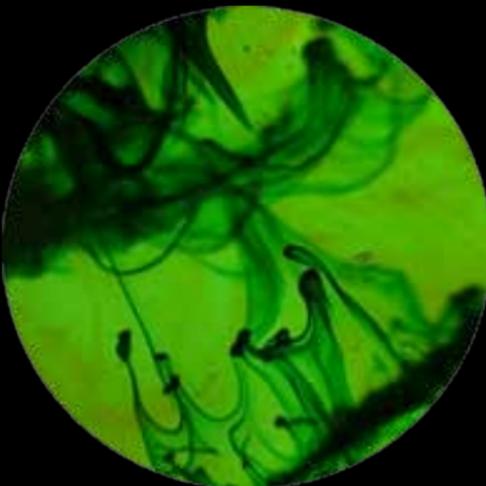
TITLE: **The Garden**

ARTIST: **Madelon Lusk,  
University of New Mexico**

The idea for 'The Garden' began as a study in color and music, how color reacts in water and the different mixtures that those colors will make. It evolved from simply dropping color into a glass and watching it blossom, into a discovery of patterns and

Rorschach designs.

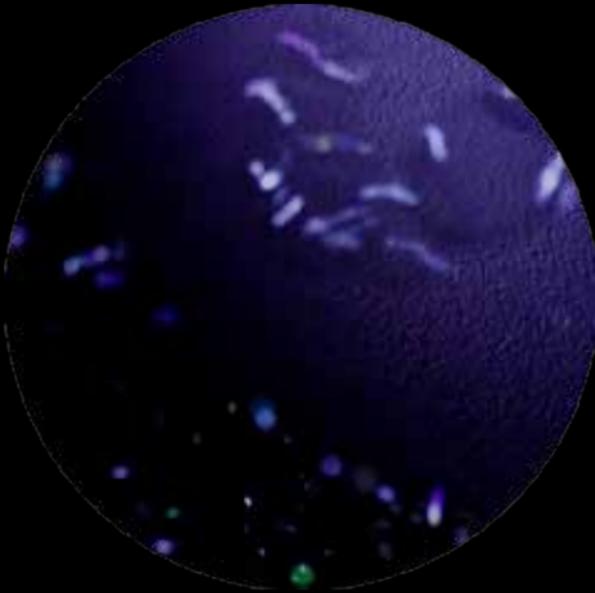
The patterns began growing and with every move of the camera angle and orientation a new world was born. The end results were the Garden of Madelon Lusk.



TITLE: **CAKE**

ARTIST: **Mimosa Twocrow,**  
**University of New Mexico**

Cosmetic and beauty products on glass, separated from the skin.  
Reflective. Sensuous.



TITLE: **Oculus**

ARTIST: **Mitchell Marti,**  
**University of New Mexico**

'Oculus' is an exercise in developing visual and audio effects in  
Processing and Motion for the fulldome.



TITLE: **Revenant Nights**

ARTIST: **Monika Ann Unwin, University of NM**

After the artist has lost several family members tragically over the last ten years, it was only natural to rebirth the souls that once lived in our realm and return them to the night sky. "Revenant Nights", envelopes the soul and poetically embraces the spirits that once lived in memoriam. Let them live on in the night sky and open our views to the heavens.



TITLE: **Temporal Luminescence**

ARTIST: **Reuben Alguin,  
University of New Mexico**

Time lapse HDR photography of city and stars. Glowing city lights emanating into space reflected by the lights of the universe.



TITLE: **Push**

ARTIST: **Wakeah Vigil,**  
**University of New Mexico**

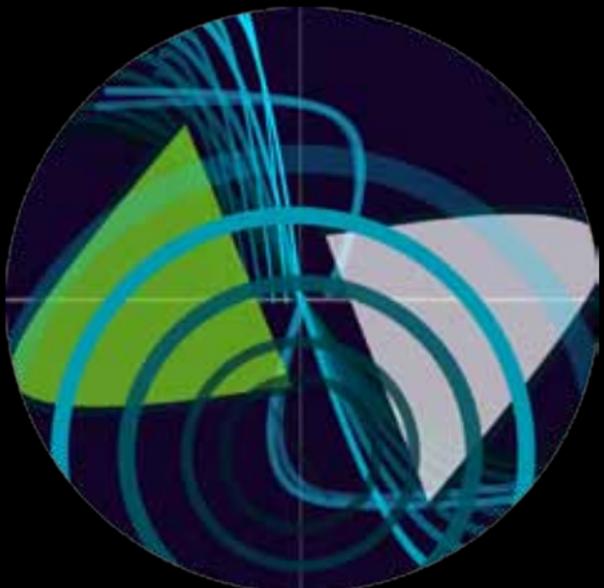
"Push" is a piece that involves moving through four fractal-like environments. Each environment is a photo still that has been cut to allow the viewer to the next image.



TITLE: **Times new Vector**

ARTIST: **Andrew McCollum,**  
**University of New Mexico**

A series of vector based graphics interacting and compiling to make a musical story.



## Full dome Clips

Title: **The Maya Hero Twins: Excerpt  
from Tales of the Maya Skies**

Production: **Hue Walker & Jonathan  
Strawn, ARTS Lab, University  
of New Mexico**

Language: English

A self-contained sequence from the full length film "Tales of the Maya Skies". This sequence is an adaption of the Maya Polul Voh story of the hero twins, the creation of the Sun & Moon and the birth of corn and the Maya people.

Title: **Here is My Mouth**

Production: **Independent, Hue Walker**

Language: English

A collaborative "experimental film" for fulldome. "Here is My Mouth" is a visual experience of the act of speaking poetry.

Visuals: Hue Walker, fulldome artist

Words / Narration: Lisa Gill, poet

Sound/Music: Mitch Rayes, composer

Title: **Astronomer 2.0**

Production: **NSC Creative**

Language: English

A music show based on the idea and content of "We Are Astronomers".

Title: **CymaSonics - Matrix Optimizer 1.0.1**

Production: **Jan Zehn, Stefan Berke**

Language: English

The fulldome clip „CymaSonics - Matrix Optimizer 1.0.1“ demonstrates the spatial audio-animation technique CymaSonics.

The CymaSonics technique – developed by Jan Zehn – uses the principles of Cymatics in advance on spatially controlled sonic wave synthesis and manipulation that also can be configured and applied to each listening room geometry as well as to every wanted number of speaker channels. By Stefan Berke the CymaSonics technique was implemented as a scene script sequencer (Matrix Optimizer) for Pov-RAY and a special CymaSonics audio rendering engine - the whole clip was produced with. The three demonstrative main scenes of the clip are introduced by a fictive unfolding starfield scene, which regressive disappears again at the end. The first scene shows how cymasonical animation figures are emerging from three geometrical combined single sine waves at a few different frequencies. In the second scene there are used ten different virtual sound sources in spatial motion around the whole dome to demonstrate the principle of how video can become visible to your ears. And the third scene invites you of to experience an electro-acoustical camera flight through an harmonical matrix of 1.500 spatial placed sound sources at once. Welcome to the era of electro-acoustical space flight!

Title: **Earth is Our Home**  
Production: **Foundation of the Hellenic World**  
Language: Greek

“Earth is our home” with a polar bear as the leading character, approaches with responsibility the extremely important issues of the environment and its protection. It includes a 3D graphics film about the environment like the increase of the planet’s temperature, climatic change, waste management, recycling and renewed sources of energy. Further more, it presents many everyday routines through which all of us can contribute to the protection of the environment.

Title: **A Journey to Ancient Miletus**  
Production: **Foundation of the Hellenic World**  
Language: n. a.

In the production "A Journey to Ancient Miletus" visitors can travel to the peninsula and the city of Miletus, as it was two thousand years ago. They have the opportunity to explore the virtual city and learn about its most important public buildings. Starting from the gate at the Port of Lions they enter the sanctuary of Apollo Delphinios. Then, they visit the Ionian Stoa, which housed the stores of the city, the Hellenistic Gymnasium, the North Agora and the Bouleuterion, being able to see even the details of the buildings' architecture. They can "walk" through or "fly over" the accurate three-dimensional reconstruction or even "dive" into its harbour.

Title: **Crossing Worlds**  
Production: **Eric Hanson, Greg Downing, xRez Studio, Inc.**  
Language: n. a.

A visual tone poem designed for the emerging fulldome planetarium format but encompassing meditative terrestrial subject matter, "Crossing Worlds" utilizes spherical photography from the American desert west to immerse the viewer in a transcendent spectrum of austere landscapes.

xRez Studio's first dome format film, "Crossing Worlds" won a coveted "Domie" for best Design in a Dome at DomeFest 09 in Albuquerque, NM. The beautiful soundtrack was provided by Marconi Union in the UK, and Paul Buehler at the Glendale Collage Dome provided key assistance in production. Recently, it was shown at The Elumenati GeoDome theatre with 350.org at the COP15 Global Climate Summit in Copenhagen in 2009.

Title: **WE ARE HERE**

Production: **Absolute Hollywood**

Language: n. a.

Aboriginal Canadians welcomed the world during the Vancouver Winter Olympics. The Sphere at the centre of the Pavilion was designed, manufactured, installed and operated by Absolute Hollywood. Admission was free and the signature show ran everyday for 17 days, during time the Aboriginal Pavilion had over 250,000 visitors.

This clip contains the Longhouse night sequence, which is a reconstruction of a westcoast longhouse potlatch ceremony. These ceremonies were banned by the Canadian government for over 60 years and have never been seen in public before. This is followed by a montage of local tribal monuments, lands and Aboriginal Canadian Culture.

Title: **SpacePark360**

Production: **Dome3D, Loch Ness Productions**

Language: n. a.

SpacePark360 is an entertainment show for fulldome theaters - an amusement park as big as the solar system! It's a thrilling adventure of astronomical proportions! This set of fulldome movies provides thrill rides set on different worlds of the solar system. The featured ride is Black Hole Coaster, a mysterious ride through the nether realms of Neptune's darkest moon Triton.

SpacePark360 is a collaboration of Loch Ness Productions and Dome3D. The visuals come from the computer graphics wizards of Dome3D - Matt Mascheri, Michael Narlock, and Jason Heaton. Loch Ness Productions has conjured up special Geodesium music to enhance the rides. Mark C. Petersen's surround sound creations take planetarium space music to a whole new level of excitement.

Title: **Sea Monsters: A Prehistoric Adventure**

Production: **Lisa Truitt & Jini Durr, National Geographic**

Language: **English**

Journey 80 million years back in time to an age when mighty dinosaurs dominated the land – and an equally astonishing assortment of ferocious creatures swarmed, hunted, and fought for survival beneath the vast, mysterious prehistoric seas. Stunning photo-realistic imagery re-creates the perilous underwater realm of two young, dolphin-sized marine reptiles called Dolichorhynchops, or Dollies, and follows their incredible journey through waters ruled by some of the most awesome predators ever to prowl the Earth's oceans.

Title: **Secrets of the Mummies**

Production: **Arabella Cecil, Don Kempf, Steve Kempf, Giant Screen Films**

Language: **English**

Journey to the royal tombs of Egypt and explore the history of ancient Egyptian society as told through the mummies of the past. The film follows explorers and scientists as they piece together the archeological and genetic clues of Egyptian mummies, and provides audiences with a window into the fascinating and mysterious world of the pharaohs. To unwrap the secrets of the mummies is to perhaps glimpse the future of our own civilization.

Title: **Attack of the Space Pirates**  
Production: **Clark Planetarium Productions**  
Language: English

„Attack of the Space Pirates“ is the first action-adventure space show produced by Clark Planetarium, with appeal to audiences of all ages. It’s a race against time as the Starship Intrepid struggle to find a set of alien artifacts before the Pirates of Perseus do. The stability of the galaxy is at stake!

Title: **Fly Me to the Moon**  
Production: **nWave Pictures**  
Language: English

Team up with three tween-aged flies and sneak on board the legendary Apollo 11 for an experience that puts you in the middle of the action. Hold on to your seat as the rocket boosters blast you off into space. Once you adjust to zero gravity, you’ll see what it really feels like to walk on the Moon. Fly Me to the Moon introduces new generations to space exploration and the historic moment when the world was united for this awe-inspiring achievement.

Title: **Butterfly Meltdown**  
Production: **Fractal Foundation**  
Language: n. a.

Beautiful fractals on the dome.

Title: **MANDELBROT ON DOME**  
Production: **Nehru Planetarium, Mumbai**  
Language: n. a.

The well-known Mandelbrot Set is set to come to fulldome in its new avatar courtesy Piyush Pandey. Explore the self-similarity of the fractal world.









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