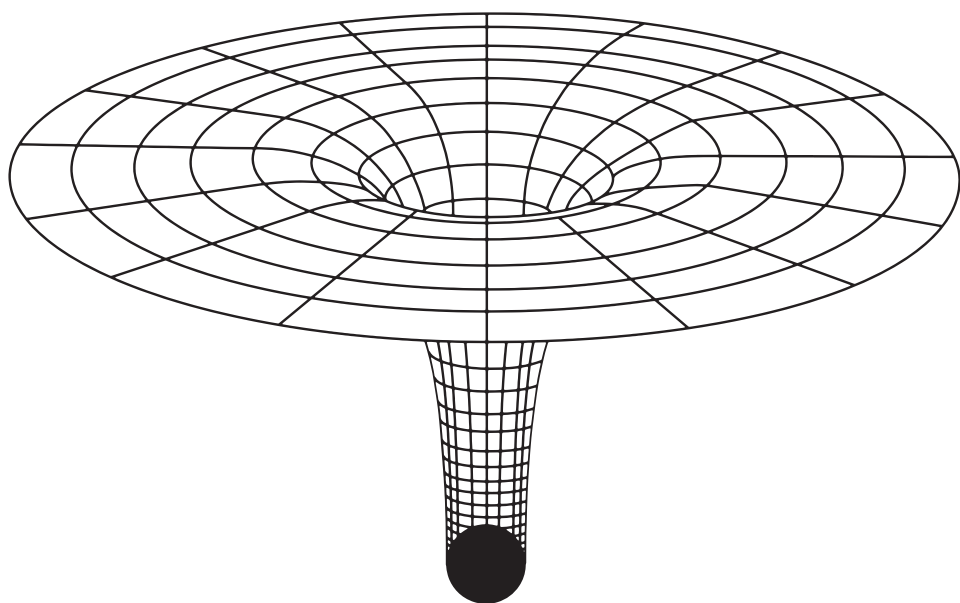


FFB

FESTIVAL CATALOGUE 2018



ASTERIA. TRIP.

10:00



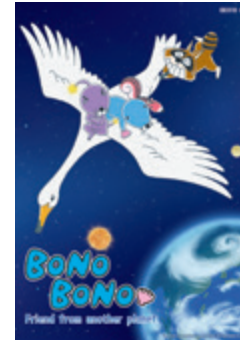
At night, under the star-scattered sky people cast a glance into the vast expanse of the Universe. Some day we would set on a distant and indeed amazing space journey. Fulldome Film Society and 360ART creative group present a mind-blowing ride through the Universe under the digital dome and in your VR glasses. Join the "Asteria" space ship crew, get on-board, and head to the unknown, where the dream of space exploration leads. Great graphics, special effects, music and the unique show format will deliver you an amazing interstellar experience and a virtual zero-gravity. We invite you to "Asteria"!

Fulldome Film, Yaroslav Gubchenko, gubchenko@fulldomefilm.org, 4K, 2D, 360 VR
<http://en.fulldomefilm.org/catalog/asteria.html>



BONOBONO: FRIEND FROM ANOTHER PLANET

22:00



BONOBONO, a Japanese popular comic since 1986, is coming to the dome screen! Bonobono, a young sea otter, and his friends move across the planetarium dome screen freely. With completely new story, they go on a great adventure into space! Bonobono-look-alike alien, who calls himself Bonoboono, appears in front of Bonobono. Searching for strange things with him in space, Bonobono and his friends travel into space! Through cold and hot inner spaces, over the galaxies filled with twinkling strange creatures, they explore in the strange planet. Let's begin an adventure filled with dream and friendship!

MIKIO IGARASHI / TAKE SHOBO, BONOBONO PLANET, y0807sat@goto.co.jp, 4K, 2D
<http://www.bonoanime.jp/planet.html>

BEETHOVEN. SYMPHONY 9. PART IV

22:00



One of the most performed symphonies of the world got its first fulldome version. The crew of Irkutsk Planetarium and the Siberian saxophone player Andrey Gedeon in cooperation with the Italian organist Luca Sartore were working on this project for one year. Programmers coded the SkyExplorer 3.0 to express the majesty of the Universe and the humanity. The immerse environment gives the live show an absolutely new manifestation. By connecting the cultural and scientific content this fulldome show executes two complement missions: it gets melomaniacs to be involved and to start to know our Universe and vice versa. All four parts of the Symphony are ready to be performed in any planetarium in the world.

Irkutsk Planetarium, info@irkplanetarium.com, 4K, 2D, Live

BOT & LU: ESCAPE FROM THE BLACK HOLE

28:00

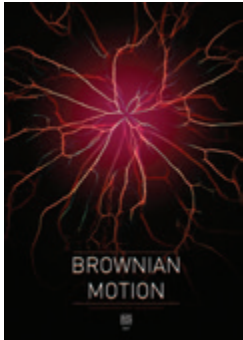


Bot is a small robot that, while building a spaceship, dreams of knowing the Universe, and Lu, an intelligent little ladybug who teaches him about it. Both will undertake a great adventure through our Solar System, approaching the dangerous center of the Milky Way where they will face the dangers of black holes. They will also visit different planets, learn about the force of gravity and other interesting topics related to the Universe.

Planetarium of the University of Santiago of Chile, alejandro.bascunan@planetariochile.cl, 4K, 2D
http://planetariochile.cl/?page_id=10274

BROWNIAN MOTION

05:00



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

Benjamin Vedrenne, vedrenne.benjamin@gmail.com, 4K, 2D
<http://www.glkitty.com/pages/brownianMotion.html>



CYBERPOLIS

05:00

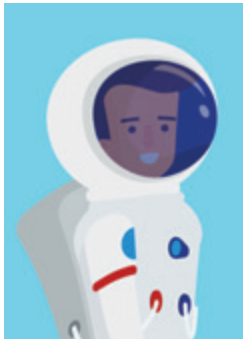


A short trip through streets of futuristic city. Immerse yourself in shimmering neon lights!

EC1 Łódź Miasto Kultury, j.saleta@ec1lodz.pl, 4K/6K, 2D
<http://planetariumec1.pl/>

COSMIX

14:00



Have you ever wondered how the astronauts do their job? After watching the Cosmix show it will be absolutely clear to you! But hold tight, it will be a crazy ride. You will find out what a space flight looks like and how to prepare for it. You will jump from a spinning centrifuge straight into a cosmic rocket. And where will it take you? Why, to the International Space Station! But worry not, we won't bore you with technical details. On the contrary, the practice is all that matters! You will learn to sleep in space, to cook a cosmic food, to use a cosmic toilet and—just to be sure—to wash yourselves properly. You won't miss a grand finale, though. And by that we mean a nerve-wracking return back to Earth in a red-hot spaceship cabin! Buckle up!

Brno Observatory and Planetarium, sales@brnoplanetarium.com, 4K, 2D
<http://www.brnoplanetarium.com>



DIMENSIONS - ONCE UPON OUR REALITY

50:00



What is “reality”? Is it just the interaction of time, space, particles and forces? A hallucination created by billions of neurons in our body? A mathematical machine? Are there other realities, universes or dimensions? We ask these big questions and aim to transport audiences to fascinating worlds where they find the time and space to think and feel. “Dimensions” further explores the concept of an educational arts and music show. What sticks with audiences is a strong feeling that there may be unexplored realms and worlds in us, and around us, which influence us just as strongly, or even more strongly than what we already know and understand.

Rocco Helmchen / Johannes Kraas, rocco@avmediadesign.com, 4K, 2D
<https://vimeo.com/253987655/851d4498c0>



EXPEDITION REEF

26:00



Embark on a journey into the hidden world of coral reefs in this all-digital planetarium show exploring some of our planet's most biodiverse—and critically threatened—ecosystems. Dive into the heart of the Academy's iconic Philippine coral reef tank as thousands of tropical fish flutter by. Travel the globe to explore coral reefs teeming with life and learn how scientists are racing to develop sustainable solutions to protect these vitally important ecosystems for the future. Along the way, discover how corals live, breathe, and reproduce, supporting a quarter of all marine life on Earth and providing critical benefits to human communities in our ever-changing world.

Morrison Planetarium at the California Academy of Sciences - Directed by Ryan Wyatt, mkrumme@calacademy.org, 4K, 2D



FAR FROM FROZEN

10:00



A look at Antarctica and it's global impact on climate change. Exploring what global warming and melting of antarctic ice could potentially do to the world's climate.

Oana Jones, oana.jones@otagomuseum.nz, 4K, 2D

EXPLORE

28:00



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

Creative Planet, Maciej Ligowski, maciej@creative-pla.net, 4K, 2D/3D
<http://creative-pla.net/portfolio-items/explore/>



FAREWELL CASSINI

20:00



After almost 20 years in space, Cassini spacecraft concluded the final chapter of its remarkable story of exploration in a dramatic way. Between April and September 2017, Cassini undertook a daring set of orbits that was, in many ways, like a whole new mission. Following a final close flyby of Saturn's moon Titan, Cassini leaped over the planet's icy rings and begun a series of dives between the planet and the rings. No other mission had ever explored this unique region. What we have learned from these final orbits will help to improve our understanding of how giant planets – and planetary systems everywhere – form and evolve. Then it entered into the Saturn's thick atmosphere where it was disintegrated. Follow the fascinating Journey of Cassini through this 20 min planetarium documentary. Learn about the Saturn's environment and discover the unique satellites of Saturn.

Theofanis Matsopoulos, fanismatsopoulos@gmail.com, 4K, 2D
<http://fanismatsopoulos8.wixsite.com/matsopoulos/farewell-cassini>



GLACIES MUNDI

05:00



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

EC1 Łódź Miasto Kultury, j.saleta@ec1lodz.pl, 4K/6K, 2D
<http://planetariumec1.pl/>



HORIZON: BEYOND THE EDGE OF THE VISIBLE UNIVERSE

41:00



We have long tried to find out what is out there in an unknown world ever since we existed on earth. A feeling of curiosity with a question of "Why?" led us to develop a form of science and chase after the horizon in the vast universe. From Geocentric theory to Heliocentric theory, from Steady-state cosmology to Big Bang theory, through the historical figures observing the stars, a full-dome digital planetarium film HORIZON gets to the bottom of the space exploration.

Live / GOTO INC, y0807sat@goto.co.jp, 4K, 2D



HALLOWEEN: CELESTIAL ORIGINS

24:00



What do you associate with Halloween? Trick-or-Treating, costumes... astronomy? After all, Halloween is an astronomical holiday! Learn the history of Halloween and how it fits into the seasons as a "cross-quarter day" during this new production. We will also explore the night sky and learn what planets, constellations, and stars will be out on your Halloween evening.

Ball State University, Charles W. Brown Planetarium & IDIA Lab, planetarium@bsu.edu, 4K, 2D
www.bsu.edu/planetarium

IN SEARCH OF COSMIC LIFE

30:00



What's your take on cosmic life? Yea or nay? In Hong Kong Space Museum's newly produced Sky Show, audiences will not only appreciate the uniqueness of the Earth for life to flourish, but will also examine those celestial bodies which scientists have found liquid water or organic compounds. Water and organic molecules are essential elements of life. Will their existence in space mean that life could possibly be found elsewhere than Earth?

Hong Kong Space Museum, schochan@lcsd.gov.hk, 4K, 2D
http://www.lcsd.gov.hk/CE/Museum/Space/en_US/web/spm/spacetheatre/skyshow.html



KYMA, POWER OF WAVES

29:00



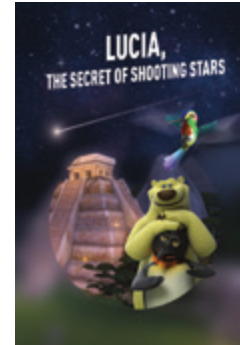
A tale of how our universe—and all of us—are composed of waves. From music to light, from the smallest particle to vast galaxies, Kyma is a voyage through the wavelength of life, combining artists, musicians and acrobats in a stunning immersive show.

Director, Philippe Baylaucq, Executive Producer, René Chénier, m.seebaran@nfb.ca, 4K, 2D
<https://vimeo.com/channels/nfbkyma>



LUCIA, THE SECRET OF THE SHOOTING STARS

31:00



Vladimir, a polar bear and James, a penguin, travel into space aboard the Polaris to study polar auroras. Hit by a meteorite, they crash at the foot of a pre-Columbian pyramid and meet Lucia, a hummingbird who is passionate about rocks. She tells them about a legend evoking “stones of light”. Meteorites, shooting stars, these “stones of light” intrigue them all. In order to solve this enigma, they board for the Moon, then the asteroid belt, and finally land on a comet nucleus. Who is having fun throwing stones from space? Hypotheses, observations and analyzes will allow them to find answers to their questions back on Earth!

Saint-Etienne Planetarium Production, sales@rsacosmos.com, 4K, 2D/3D
<http://planetarium-st-etienne.fr/seances/lucia/index.html>



LITTLE DRAGGY ADVENTURE

24:00



Everyone knows his or her address, in which city and on what street he or she lives. And do you know where does the earth live? What surrounds it? How far is it from the Earth to the Sun, and what makes our planet different from the others. Take a wonderful journey with a cheerful dragon Woody, who travels around the Universe in search of fantastic adventures.

George Aistov, y.trofimova@fulldome.pro, 4K, 2D

MAGNETISM: DEFENDING OUR PLANET DEFINING OUR COSMOS

24:00



MAGNETISM is a full dome planetarium show that demonstrates how the Earth's magnetic field protects our planet from energetic particles from the Sun and galaxy, and how the magnetic field also protects the water in our atmosphere from being swept away by the solar wind. It shows the first aurora seen simultaneously from the ground and from the ISS, and tells about the MMS mission (Magnetospheric Multiscale) and its quest to understand the magnetic connection between the Earth and the Sun. MAGNETISM is produced in collaboration with the Houston Museum of Natural Science, Rice University, and Evans & Sutherland.

Terence Murtagh from E&S, tmurtagh@es.com, 4K, 2D
<https://www.es.com/Shows/Magnetism>

MELANCHOLIA: FACES OF EMPTINESS

05:00



Full-dome short – artistic journey through darker, colder part of feelings and spaces. Done entirely on Unreal Engine 4.

Joanna Saleta, saleta.joanna@gmail.com, 4K, 2D
<https://fulldome.wixsite.com/melancholia>



MICE AND THE MOON

16:00



This is a tale about two little mice Peep and Chip who wondered if anybody bites the big Moon Cheese shining in the sky? This fairy-tale is for curious kids. It helps to answer some questions about the Moon and explains important scientific facts in a friendly way.

Full-dome Basement, fulldome.basement@gmail.com, 4K, 2D
<http://www.fulldomebasement.belastro.net/>



MESOPHASE

07:00



Mesophase is a transition state between liquid and solid. In my work I contrast macroprojection with microcosm – to explore a world that can't be seen, and only in great magnification reveals its beauty. I took inspiration from my interests in biology, chemistry and physics. I wanted the audience to feel immersed in a new, unknown dimension. The animation was created in TouchDesigner – a tool for real time graphics and data analysis. I created the system allowing real-time modifications of 3D graphics with the use of a MIDI controller. This documentation showcases the core animations projected in the dome of The Heavens of Copernicus' planetarium in Warsaw. Due to the upgrade of the projectors during the production, life modifications were not possible at the moment, but the system I created is fully responsive and editable in realtime.

Nina Mikulska, exile.sk@gmail.com, 4K, 2D
<https://vimeo.com/235497124>

MORAVIA 360

40:00



Once upon a time, in a quite ordinary spiral galaxy, you can find a star – nothing special at first glance – orbited by eight planets. And there, on one of them, in the middle of a continent called Europe, is a rather ordinary region. But let's have a closer look at it! And from all possible and impossible points of view. It's decorated with beautiful vineyards and exceptional historic sites. Simply, Moravia is – an incredible region. A full-dome show for planetarium and digital dome theaters which uses unconventional filming technologies including a full-dome aerial camera.

Brno Observatory and Planetarium, sales@brnoplanetarium.com, 4K, 2D



MYSTERIOUS OCEANS – THE EDDY HUNT

30:00



During the expedition itself, 360° cameras were used to record as much as possible of the mission. A thirty-minute planetarium film, „Mysterious Oceans - The Eddy Hunt“, emerged from this material. The audience gets to experience how a research zeppelin is utilised and follows scientists on their hunt for eddies. In combination with three-dimensional sound, the scientists' world comes alive for the spectator.

Helmholtz-Zentrum Geesthacht, Tanja.Baschek@hzg.de, 4K, 2D
<http://uhrwerk-ozean.de/>



OUR NORTH POLE

07:00



Become a part of this unique VR project and discover yourself at the North Pole. This is the first and only 360° film that was made during an actual expedition to the geographic top of the world, 90° north latitude. It captures in amazing detail the extraordinary voyage aboard the most powerful nuclear-powered icebreaker in the world, 50 Years of Victory. This short film not only gives an opportunity to find yourself at the real North Pole but to feel how fragile the polar environment is. That we all and each of us shouldn't forget that ice in the Arctic may disappear very soon, and we all are responsible.

Olesya Kustova (Director), Galina Lebed (Producer), gswan@poseidonexpeditions.com, 4K, 2D
<https://vimeo.com/225668791/fa6805f308>



OUR FRIENDS THE ANIMALS

25:00



Our Friends the Animals" is a educational children fulldome show for planetariums and digital dome theatres. Welcome to granddad Frank's farm! He knows a lot of things about the animals. Come along! Let's visit the farm and learn a lot about them. We gonna play riddles with animal sounds and learn many curious facts about them. Let's travel with granddad Frank on a great adventure! We are going to meet the wild animals of the jungle, of the savanna, of the desert, the North Pole, the South Pole and the Oceans. You are going to learn about birds, bugs, amphibious, carnivorous, herbivorous and much more! Let's play with the colours and let's meet endangered species. Will we ever get to the end of this adventure?

Playnetario, nunofragata@playnetario.com, 2K/4K, 2D
www.playnetario.com



OUR VIOLENT PLANET

28:00



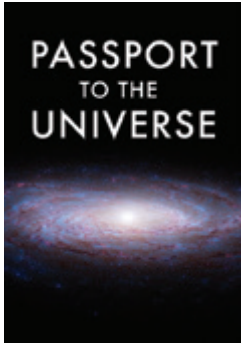
We live out our lives on our planet's fractured crust, "plates" that pull apart, collide, grind past each other and even sink below one another, producing violent earthquakes, volcanic eruptions and catastrophic walls of water known as tsunamis.

Iryna Filipova, Donetsk Planetarium Studio, filippova_iv@yahoo.com, 4K, 2D
<http://planetarium.dn.ua>



PASSPORT TO THE UNIVERSE

19:00



Now in stunning 8K resolution at 60FPS, the iconic space show Passport to the Universe has been updated with the latest scientific data and cutting-edge visualizations. Accompanied by the timeless original script, music, and narration by Tom Hanks, Passport to the Universe is a captivating journey through the observable universe.

American Museum of Natural History, mheenan@amnh.org, 4K/8K, 2D
<http://amnh.org/planetarium-content>



ROBINSON GIRL

41:00



After seventy five years Halley's Comet returns to Earth. On its way to the Sun a piece of the comet has broken off and it's on a collision course with the Moon now. For safety reasons, the Lagrange Station situated above the far side of the Moon has to be temporarily evacuated. Sarah, a 13-year-old girl, accidentally lands on the Moon in a reconnaissance capsule. Her teddy bear — an advanced robot and a personal assistant — is helping her to survive on a Moon surface. But will she be rescued in time? Robinson Girl is a feature fulldome film for families and schools. Audience will learn about the difficulties of an astronaut's life in low gravity while enjoying a narrative story about a cosmic adventure in not so distant future.

Charta Lintea & Brno Observatory and Planetarium, sales@brnoplanetarium.com, 4K, 2D
<http://www.brnoplanetarium.com>



RED PLANET RISING

29:00



A look at Mars and human history from mythology, to the telescope, to robotic explorers and beyond.

James Craig, Planet Of Mystery, jcc@efn.org, 4K, 2D
<http://www.planetofmystery.com>



SATURN & BEYOND

24:00

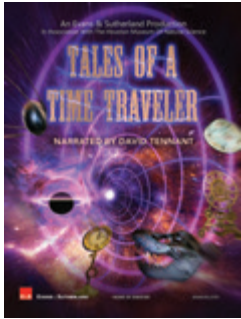


Saturn's rings are one of the most beautiful sights in the solar system. Astronomers have known about these rings for over 400 years, yet they still present many questions. In 2004, the Cassini spacecraft reached Saturn and sent back volumes of data. Learn the history of the discovery of Saturn's rings and explore the mysterious features seen by the Cassini space craft.

Ball State University, Charles W. Brown Planetarium, planetarium@bsu.edu, 4K, 2D
www.bsu.edu/planetarium

TALES OF A TIME TRAVELER

24:00



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

Terence Murtagh from E&S, tmurtagh@es.com, 4K/8K, 2D
<https://www.es.com/Shows/TimeTraveler>



THE MAYANS COSMIC PLANNERS

20:00



The film introduces the cosmovision of this ancient culture based on elements of the cosmos like the Sun, Venus, the Moon and the stars, following their position they defined much of its planning for the construction of their cities, plus their astronomical knowledge lasted by generations, forming the pillars of their Culture that nowadays we are still learning to listen. A full dome show for planetariums and digital dome theatres.

Enrique Fonte, Planetarios Digitales, jminchaca@planetariosdigitales.com, 4K, 2D



THE EARTH FROM ISS

24:00



The Astronauts are filming beautiful Earth videos from ISS. This show converted them from square UHD Movie & time lapse to dome master. The show is very simple story, but you can enjoy the beauty of the earth. This show has already been screened in 5 planetariums (finished) in Japan. It is expected to increase further.

Osamu Kato, kato@altairllc.jp, 4K, 2D
<https://altairllc.jp/distribution/iss-en/>



VOYAGER: NEVER-ENDING JOURNEY

25:00



The show tells a thrilling story of the most remarkable space mission in human history. In 1977 two space probes were launched to explore the farthest planets of the Solar system: Jupiter, Saturn, Uranus and Neptune along with their moons. These spacecraft greatly enriched our knowledge of the distant worlds. Now after four decades they explore the interstellar space. Like two bottles launched into the cosmic ocean, both probes carry an interstellar message – Golden Record, intended for any alien civilization.

UMA Vision, Yuriy Gapon, yuriy.gapon@uma.vision, 4K, 2D
<http://uma.vision/>



„WHAT'S HAPPENED TO THE CALENDAR?“

32:00



The answer to the question in the title of the film is found by heroes of the fairy tale - Papa Gregor and Lilius, who are accompanied by a clever spot of sunlight. To unravel the mystery, they embark on an amazing journey in time and space. They meet a mysterious gentleman, Mikoko, who lives in a fairy tale red land. There, at the Olsztyn castle, Mikoko constructed the table for gnomonic observations of the position of the Sun in the sky. With its help, he tries to measure the length of the tropical year, needed for the reform of the calendar and this is what the malicious gnomes are trying to prevent.

Olsztyn Planetarium and Astronomical Observatory, jacek@planetarium.olsztyn.pl, 4K, 2D
<http://www.planetarium.olsztyn.pl/>

