



2011 ILDA Awards Banquet



Ludicrous Speed! by Lightwave International

Golden Palace, Moscow, 12 November 2011
Produced by host company Orion-Art Multimedia

2011 ILDA Awards Banquet

2011 ILDA Artistic Awards

The ILDA Artistic Awards were judged in London this year.
Many thanks to the judges, to Malcolm Hignett for coordinating,
and Chris Matthews for hosting.

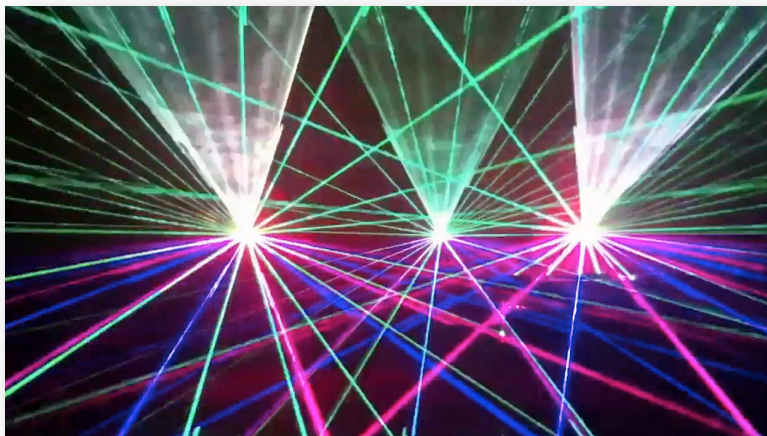
Judges: Stephen Harvey, LM Productions
Geoff Jones, iVision UK Ltd.
Chris Matthews, LCI Ltd.

Beams/Atmospheric Show

Beams/Atmospheric Show

Honorable Mention

Sweet Disposition LIVE
Lightwave International



Programming and Operation: Eliav Kadosh
Music: Axwell and Dirty South Remix
Length of original show: 1'48"

This video was recorded on an iPhone4 - for pleasure. The operator was playing late in the office and captured this live show for his own enjoyment. Impressed with the work and the nature of the capture and performance we are submitting this for consideration.

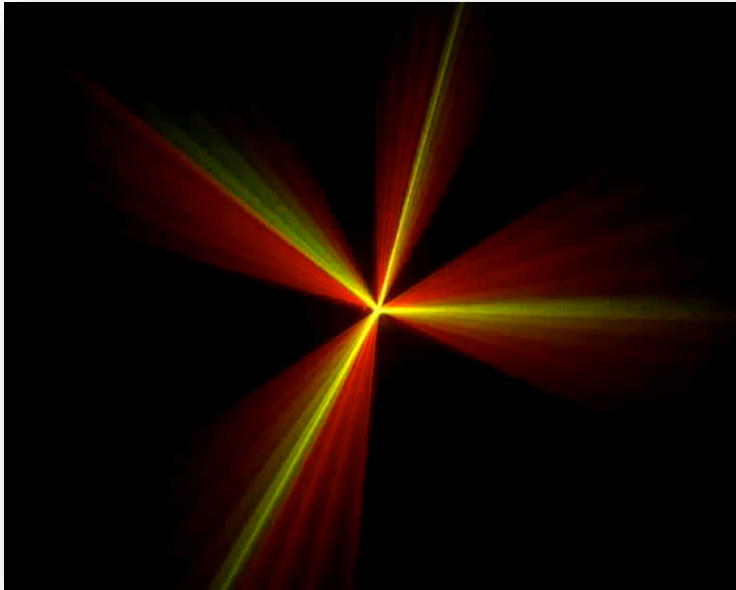
The intent of this video is to show the passion of our work: that some operators still love their jobs and occupy their hours for and by the laser.

Beams/Atmospheric Show

Honorable Mention

Frozen

Quantum Satis Media



Everything: Jan Ringen
Music: "Frozen" by Madonna
Length of original show: 6'20"

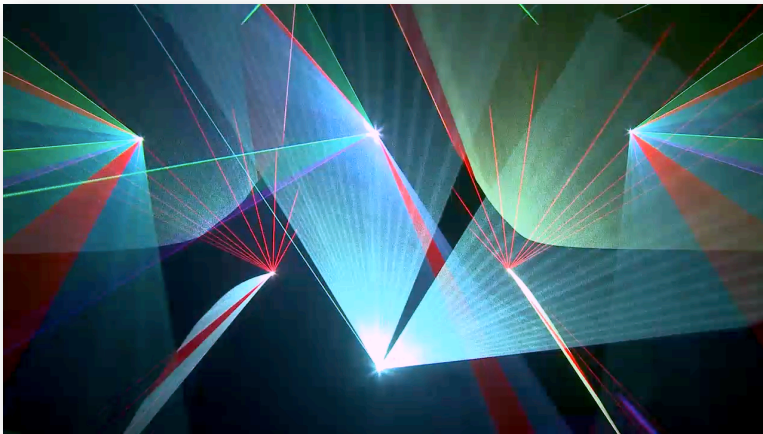
This show was created to gain experience on the software used, (Pangolin LD2000/Showtime). The design goal was to get good sync to the music, and to make all frames from scratch. When submitted this show had not been shown to the public yet.

Beams/Atmospheric Show

3rd

Pendulum LIVE

Lightwave International



Programming and Operation: Eliav Kadosh

Music: "Witchcraft" by Pendulum

Length of original show: 3'58"

The Beams/Atmospherics category has evolved into a pre-programmed timeline showplace. The intent of this entry is to showcase the power of the LIVE atmospheric performance with no rehearsal, and no practice.

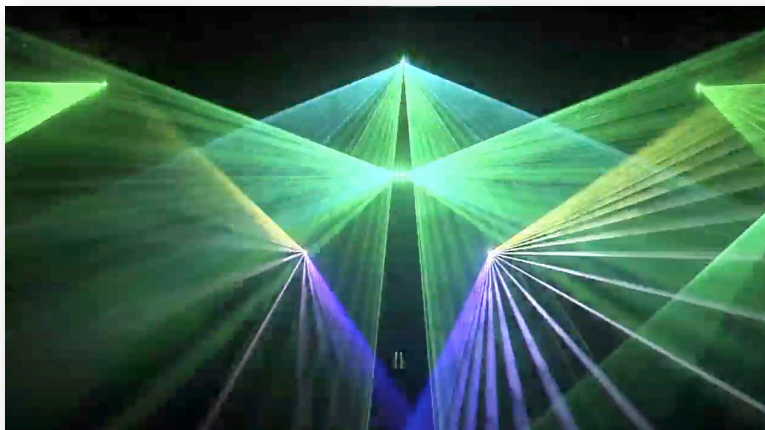
One take, no ability to correct errors. These subtleties create the soul of the live atmospheric performance with no rehearsal, and no practice.

Beams/Atmospheric Show

2nd

Serenade

LOBO



Designer: Iris Schua

Creative Director: Alex Hennig

Music: "Nocturne" by Secret Garden

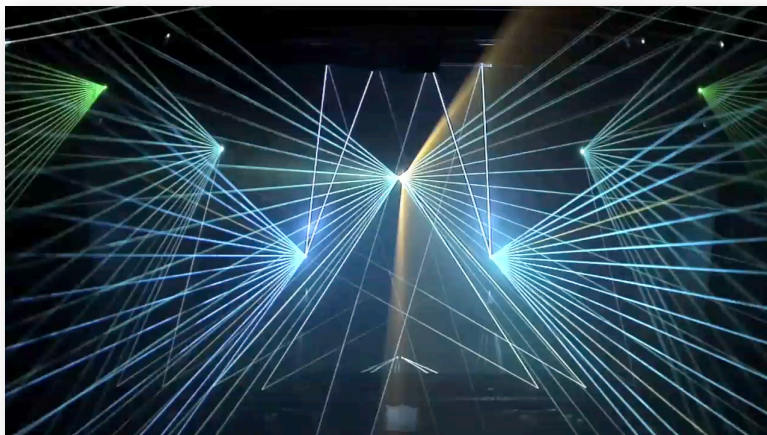
Length of original show: 3'08"

This exceptional piece of music, a winner in the Eurovision Song Contest, inspired designer Iris Schua to a show, which - as she told me - "lets you dive into the music". The generous use of multiple projectors, filling the room with soft, wave-light structures, makes you quickly understand what she meant. Actually it makes you believe to be floating in a sea of light.

When looking at the details of the design, you find many remarkable approaches. So, for example it is amazing, how she stresses the harp effects by means of fans, which suddenly stop their movements with each pluck of the harp, how she models the climax of the music by means of accelerating mirror patterns or how hard she worked on always finding the perfect color balance for each part of the music.

Beams/Atmospheric Show

1st
End of Days
LOBO



Designer: Julian de Pompa

Creative Director: Alex Hennig

Music: "Theme from Armageddon" by Trevor Rabin

Length of original show: 4'29"

After delivering some really remarkable shows with astonishing new effects during his internship in our studios, we employed designer Julian de Pompa as a permanent member of our team.

"End of Days" is an impressive example of what is so special about his work. Never before have we seen how an artist creates with lasers such soft, multi-feathered effects, which make it hard to believe that it is really lasers that you see.

In addition, the show features some really unconventional design approaches, such as static fans just animated with subtle vibrations and color changes.

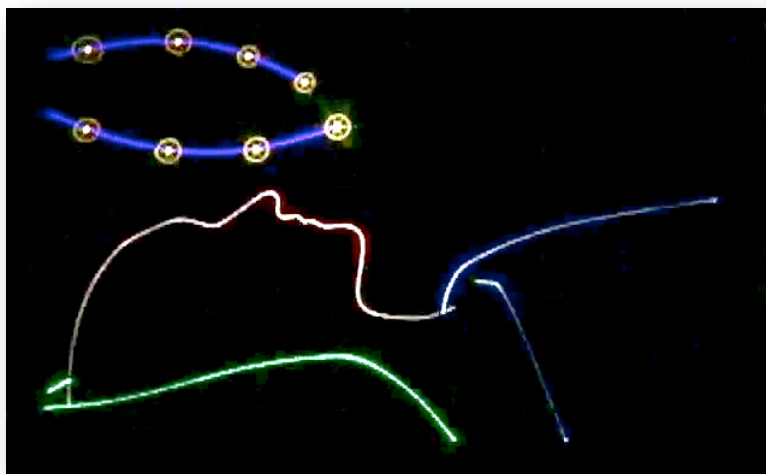
Graphics Show

Graphics Show

Honorable Mention

Fireflies

Laser Show Design, Inc.



Director: Doug McCullough

Animator: Dave Oxenreider

Programmer: Jeff Hwang

Music: "Fireflies" by Owl City

Length of original show: 24 minutes

Graphics Show

3rd

Turn it on!

Orion-Art Multimedia



Art Director: Alexey Panin

Graphics: Kirill Nikitochkin

Music: "Everybody Be Cool", Graeme Revell

Length of original show: 1'20"

This show was created as a part of AVON advertising performance. The main symbol of a new pharmacological product of this company is a big button, which should be turned on. So it was the task to represent the turning on process for all kinds of common apparatus from the morning till sundown.

Graphics Show

2nd

Special Mission Units. The War Against Terror.
Orion-Art Multimedia



Art Director: Alexey Panin

Graphics: Kirill Nikitochkin

Music: X Ray Dog compositions

Length of original show: 3'00"

This show was devoted to the heroic invisible struggle of special forces against international terrorists, the main danger of XXI century. It was created as an intro for special mission veterans meeting.

Graphics Show

1st

The Phantom of the Opera
Orion-Art Multimedia



Art Director: Alexey Panin

Graphics: Kirill Nikitochkin

Music: "The Phantom of the Opera" by Andrew Lloyd Webber

Length of original show: 1'50"

This show was inspired by the famous musical of Andrew Lloyd Webber. The goal was to reconstruct the mysterious atmosphere of the story.

Abstract Show

Abstract Show

2nd

Let It Rock

Laser Show Design, Inc.



Director: Doug McCullough

Programmer: Jeff Hwang

Music: "Let It Rock" by Kevin Rudolph

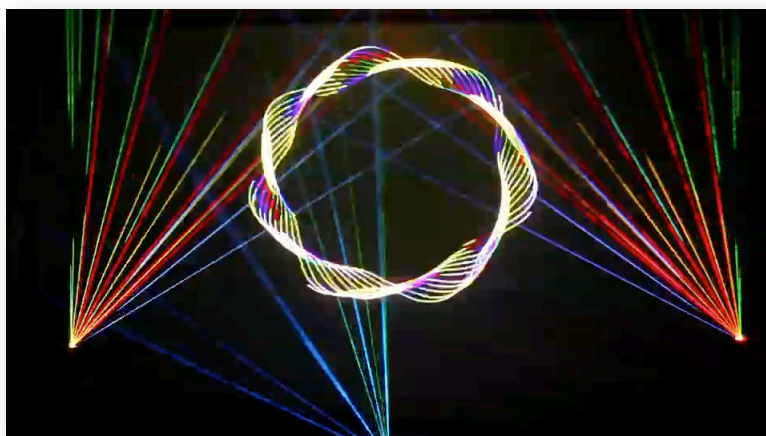
Length of original show: 24 minutes

Abstract Show

1st

Waka Waka

Laser Spectacles, Inc.



Laser Programming: Tim Walsh

Music: "Waka Waka (This Time for Africa)" by Shakira

Length of original show: 3'15"

This show was created for a New Year's Eve celebration in McAllen, Texas.

This piece was near the end of a 30-minute presentation that began at midnight, on the stroke of the New Year. The goal of this song was to keep all the images abstract and dancing, and have an interplay with the beam scanners that responded to the music, and held attention through the stops and transitions. We wanted to add to each person's experience of the New Year.

Beams and Screen Show

Beams and Screen Show

Honorable Mention

The Happy Elf

Laser Spectacles, Inc.



Artwork and Storyboard: Rico Morales

Laser Programming: Tim Walsh

Music: "The Happy Elf" performed by Harry Connick, Jr.

Length of original show: 1'55"

This show was created for a Christmas presentation in New Orleans, Louisiana. The client wanted music from New Orleans artists, and this song suggested a light-hearted fun theme, good for all ages.

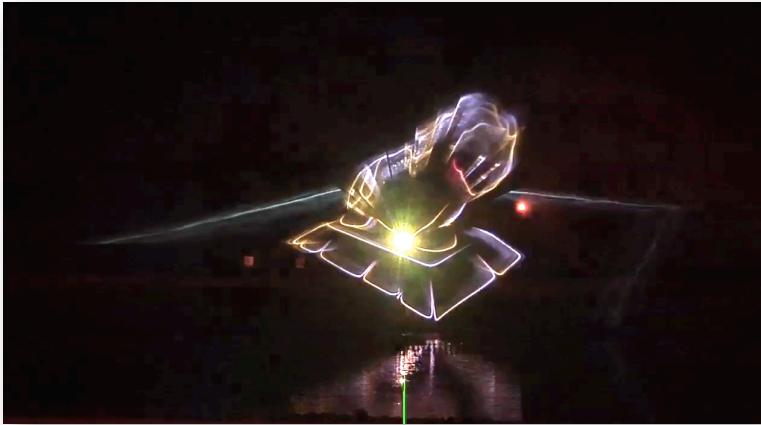
We wanted to create a happy, little bit goofy, elf character and illustrate some of the themes in the music with images and text. We tried to keep things moving, with something changing graphically in every bar of the music.

Beams and Screen Show

3rd

The Hamedan Show

LOBO



3D Animations: Julian de Pompa

2D Animations: Iris Schua, Niklas Zorell

Beams: Roman Schütz

Creative Director: Alex Hennig

Music: "Divertimento" by Secret Garden; "Santorini" by Yanni

Length of original show: 16'30"

With roughly 5000 years of history as the capital of the Meder empire, Hamedan ranks among the oldest cities in the world.

In the outskirts of the city, a large-scale touristic project is currently built with various attractions embedded in park-like developments. A new show arena seating up to 2000 spectators at a purpose-built lake is the key attraction of the whole area. It not only offers laser and video projections onto a 40 m wide water screen, but also a sophisticated 100 m wide musical fountain system.

The Hamedan show is one of three show modules, made for this attraction. It uses one single Sparks laser projector.

Beams and Screen Show

2nd

The Insecticide Guards

Orion-Art Multimedia



Art Director: Alexey Panin

Graphics and Beams: Kirill Nikitochkin, Sergey Maltsev

Music: "Grindhouse" and "Beowulf" soundtracks

Length of original show: 3'15"

The show was created for advertising of a new agriculture insecticide. The client wanted to represent the product as a battleship full of guards, fighting with harmful insects on the fields.

Beams and Screen Show

1st

ICORS 2010

Lightwave International



Programming: George Dodworth, Mike Dunn

Live Beam Operation: Dave Grusch, Jesse Parker

Music: "Devotion" by Steve Allen & Alonzi vs. Mindesign

Length of original show: 15 minutes

This show was presented to the 2010 ICORS (International Conference on Raman Spectroscopy) in Boston, MA. Specifically this show was created for Charles H. Townes, father of the laser, who was present at the show. The graphics portion of the show was a tribute to the technology of the laser set to "Good Vibrations"; drawing a room full of laughs from the scientists that understood the joke.

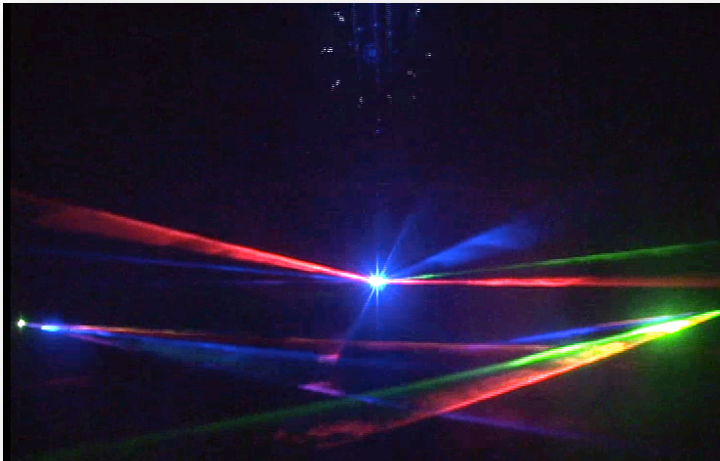
Knowing that Dr. Townes had not yet seen a laser show, pressure was high to create a large impact in this small room. Ignoring the budget, twelve full-color systems were utilized totaling 212 Watts. Following the show Charlie commented, "I never imagined a such a spectacular application for my laser."

Planetarium Show

Planetarium Show

Best in Category

Von Deylen's Contact
Planetarium Hamburg



Simon Böttcher, Dennis Bliefernicht

Music: "Kontakt (Schiller & Cosmix Baby)" by Blüchel & Von Deylen

Length of original show: 5'30"

"Contact" is a piece from the show "Mare Stellaris", a chill-out planetarium show. The show is characterized by downbeat electronic music that delivers a mystic feeling for the cosmos and space, following a dark, deep space part to slowly recapture the audience. Despite nine projector heads, we intently worked with clear, minimal graphics both with atmospherics and on the screen. A sentiment of the cosmologic emptiness is created by systematically using the projector sparsely and unusually serenely.

Nightclub/Disco/Rave Show

Nightclub/Disco/Rave Show

Honorable Mention

VIA: Visual Arts

Lightwave International



Graphics & Video Programming: Mike Dunn, George Dodworth

Beam Programming: George Dodworth

Execution: Alan Fuehrer, David Fonner, Zane Shapiro, Peter Smith, Derek Abbott, Ben Smith

Music: Various (music festival)

Length of original show: 6 hours

Recorded at the 2010 VIA Audio VisualArts Festival.

Our VIA entry was a combination of multiple beam laser systems layered in depths exceeding 100 feet (upstage to downstage edge), and dual 16-foot RP screens with synchronized video/laser overlay. Content was created in the video/laser format to both recognize event sponsors and to show off the laser technology. The show consisted of a standalone performance of these special media and technology examples, followed by a full night of typical electronic music

festival style performance accompanying the other live musical performers.

Pay special attention to the frame-accurate synchronization of lasers and video on-screen. Lasers provide overlaid special effects, highlight enhancements, and outlines.

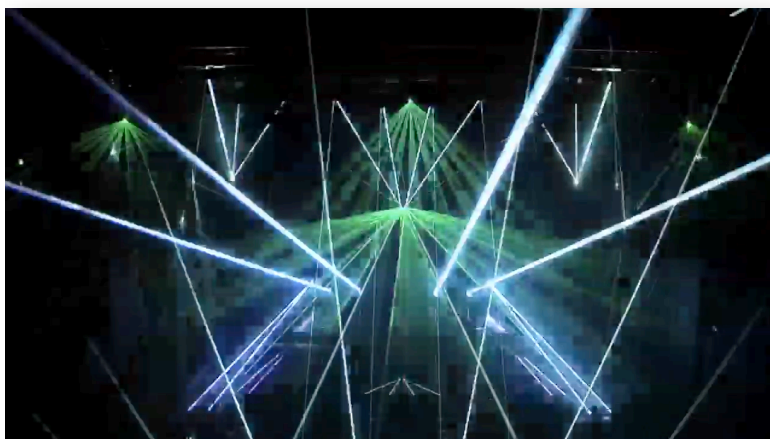
The intent of this show was to showcase the forefront of laser technology to a new audience with limited exposure to the field. We desired to exceed expectations even with a charity budget in mind. Sometimes the best creative ideas are born of experimentation at such free shows.

Nightclub/Disco/Rave Show

3rd

Speed

LOBO



Designer: Andreas Fritz

Creative Director: Alex Hennig

Music: "Warrior's Dance" by Prodigy

Length of original show: 4'45"

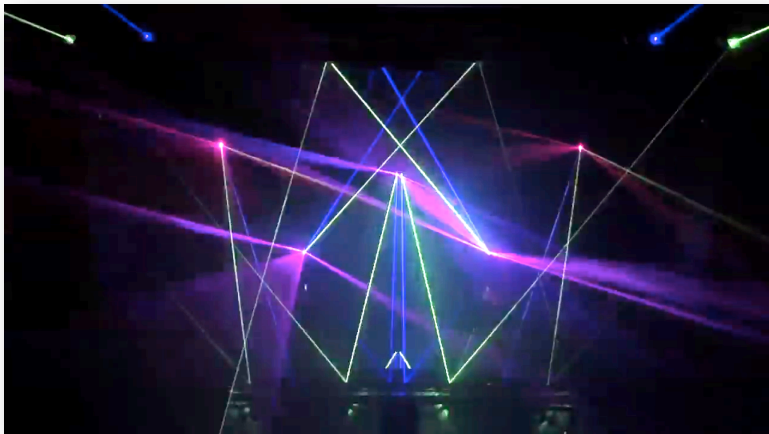
"Speed" is really the best name for this nightclub show, as it blows away your senses with its stunning cross-projector effects and a projector assignment, which leaves you in

confusion, where and from which direction the laser effects are really coming. One of the underlying design approaches is a clever combination of slowly moving effects, overlaid by rapid strobes to each cue of the music.

Nightclub/Disco/Rave Show

2nd

Love Express
LOBO



Designer: Roman Schütz
Creative Director: Alex Hennig
Music: "I Feel Love" by Vanessa Mae
Length of original show: 3'20"

Vanessa Mae's "I Feel Love" not only re-interprets an all-time discotheque hit, it became itself a real classic hit in nightclubs.

As always in designer Roman Schütz's show, nothing is left to chance. Every effect and every detail is there for a purpose, as -- in his analytic opinion -- the music requires to do so. All percussive features of the music follow a symmetrical layout, while vocal parts follow a rather harmonious approach mostly with a parallel projector assignment and random projector assignments support the off-key strings.

A funny detail for those who see it: The center projector is blocked the whole first part of the show just to visualize a subtle percussive cue of the music.

Nightclub/Disco/Rave Show

1st

Discotheque Riva
Prolight



Idea, Design and Production: Hrvoje Simic

Music: DJ music

Length of original show: 180 minutes (rave)

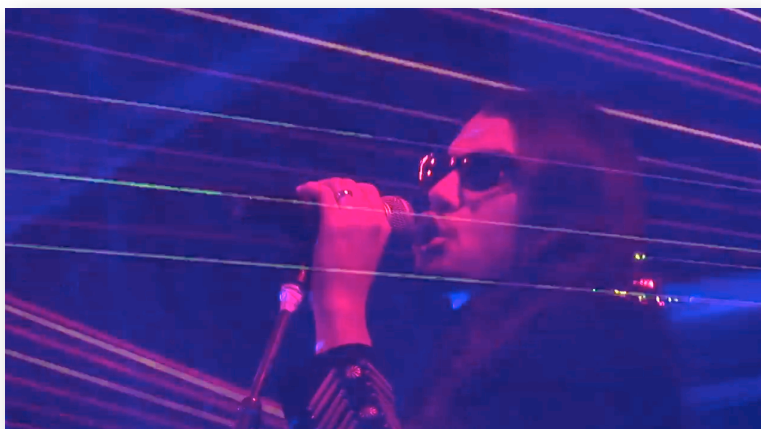
This show was recorded during techno party “Discotheque Riva” with DJ Carl Cox held in Split, Croatia on August 13th, 2010. It was an open-air party attended by some 20,000 visitors.

Live Stage Show

Live Stage Show

3rd

Ghostland Observatory: All That Glitters
Lightwave International



Touring: Jesse Parker, Derek Abbott

Programming: George Dodworth, Jesse Parker, Derek Abbott

Show Design: Thomas Turner, George Dodworth

Music: "Glitter" by Ghostland Observatory

Length of original show: 90 minutes

Ghostland Observatory's new tour for 2010 features ten high powered lasers. This type of power and fixture count is a welcome surprise to medium sized venues. The band's frontman Thomas Turner views lasers as an investment in their audiences. This investment continues to pay off as audience size and interest grow - enabling larger and larger equipment specifications for each new tour.

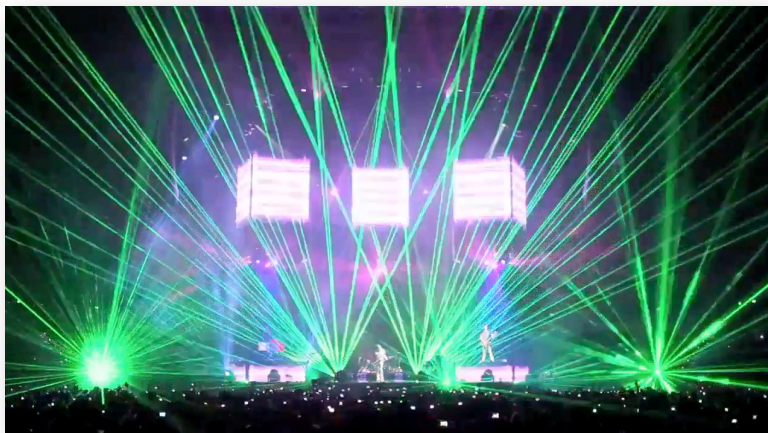
Initial programming was created as short Pangolin Showtime cues that were exported frame by frame and then massaged in the live software to create a cue-to-cue

environment without a lighting console. Since the band performs live and changes songs on the fly, cues are arranged as song per page and the live operator can adjust in real time to deliver beat-accurate performances every show - and with a show-to-show accuracy that does not vary from city to city. This gives live flexibility with the precision and repeatability of time code.

Live Stage Show

2nd

Muse Resistance World Tour 2010
ER Productions



Laser Design: Ryan Hagan

Laser Programming and Operator: Ryan Hagan and Marc Webber

Length of Original Show: 1 hr, 45 minutes

To fit the theme of the album “The Resistance,” we placed the band in a 75-mirror, 60 x 60 ft laser prison.

Nine green lasers were used, with a tenth whitelight controlled entirely by frontman Matt Bellamy. He directed it into the audience using a diffracted mirror to throw colored beams around the arenas and stadiums.

75 bounce mirrors were used around the 360-degree stage. We took an acute interest in audience safety using metering equipment to prove the safety of the effects for all involved. Six smoke machines with DMX-controlled fans were also controlled FOH to fill an arena within seconds.

With integrated diffraction effects within systems, truss-mounted systems, diffracted mirror effects, and systems controlled by the band, many more looks were available than in a conventional laser show.

Live Stage Show

1st

TSO - Beethoven's Last Night
Laser Design Productions



Designer: Doug Adams

Programmer/Operator: Jason McEcheran

Lasers Used in Video/Film

Lasers Used in Video/Film

Best in Category

BMW Vision Efficient Dynamics
LOBO



Designer: Iris Schua

Project Manager: Sebastian Thiemeier

Video Production: Neumann & Müller

Creative Director: Alex Hennig

Music: Custom designed for BMW Group

Length of original show: 1 minute

A droning heartbeat breaks the silence. All of a sudden, a laser lightning strikes the air. BMW's revolutionary sports car study "Vision Efficient Dynamics" rushes silently towards the audience.

This press event was a bombshell for BMW, which even for the German Chancellor Angela Merkel was worth attending.

We staged this presentation of the first fully functioning BMW prototype using two sparks laser systems over a distance of approx. 150 meters. The decisive criteria for applying the new

sparks laser technology was its incredible efficiency and eco-friendliness which perfectly matches the ecological aspects of the presented product.

The presentation with the lasers were so successful that BMW decided to produce a promotion spot basing on this show and to provide additional video footage of the car surrounded by laser effects for TV features about the new car.

Laser Show (including Multimedia)

Laser Show (including Multimedia)

Honorable Mention

PITT Homecoming 2010

Lightwave International



Producer: Thomas Misuraca, Pitt Program Council

Execution: Alan Fuehrer, Graeme Dodworth, David Fonner, Peter Smith, Dave Grusch

Graphics Programming: Mike Dunn

Beam Programming: George Dodworth

Pyro: Zambelli Internationale

Music: Various

Length of original show: 25 minutes

Each fall, the University of Pittsburgh transforms its iconic Cathedral of Learning into a canvas for lasers and pyrotechnics. The show itself features multiple full color beam systems, multiple scanner graphics on a 50' blow-through RP scrim,

graphics projections onto the Cathedral, pyrotechnics, and a massive PA system.

The show is choreographed to a student-selected sound track, and synchronization is SMPTE time code via radio broadcast. A unique 'feature' of the sound track is that the students submit the songs for programming just days prior to the show. Each moment of the show is coordinated to engage the audience as they rotate to follow focus from the screen, to the Cathedral, to mid-air laser effects, to fireworks at a remote launch location, and then to a climax as all layers are intertwined.

The climax of the show features the ascension of the Cathedral of Learning by the school's mascot 'Pitt Panther'. The Panther swats away the logos of competing schools as he ascends the building to the top.

Laser Show (including Multimedia)

3rd

Historama

LOBO



Beams Designer: Iris Schua, Julian de Pompa

3D Laser Animation: Julian de Pompa

Computer Animations: Christian Schnitzer of Calren Studios

Video Cut: Wolfgang Ammrein of Calren Studios

Technical Director: Sebastian Thiemeier

Control Systems: Werner Most

Lasers: Martin Malorny

Setup: Andreas Vetter, Tobias Vater, Stefan Wellmann, Peter Weißbecker, Jens Hansinger

Concept/Design: Alex Hennig

Director: Achim Schnitzer

Producer: Roland Mack of Europa Park

Music: "Historama" by Calren Studios

Length of original show: 15 minutes

The Europa Park is an unparalleled success story which just turned 35. It is the world's largest seasonal amusement park, owned by the Mack family, who can also hark back to 230 years as a manufacturer of roller coasters.

For the start of the anniversary week, our company implemented a new signature attraction for the park, called "Historama". It is a monumental building dedicated to the history of the park and its owners. Historama comprises an innovative multimedia ride, consisting of three pompously designed guest cabins, which can revolve around six stages and which perfectly match the design of the museum.

Six individual rooms, each stuffed with sophisticated multimedia technology, three simultaneously running guest cabins, live interactions with actors and the integration of a complex mechanical drive with its safety aspects were an extraordinary challenge, especially regarding the controlling aspect.

Nine laser projectors generate atmospheric 3D beam effects and sophisticated 3D projections. One laser projector is even mounted onto the arm of an industrial robot; two others are fully moveable. A total of 27 digital video projections with an overall light power of more than 160,000 lumens create images and 180 degree panoramas. 12 video projections move together with the spectators through the scenes. Special highlights include 3D projections with laser and video which are floating like holograms in mid-air, an innovative HoloFlow fog projection surface as well as a writing water screen. A BOSE surround sound system provides rich 3D sound.

About 100 persons teamed up to make this project come true, which is a co-production between LOBO, Calren and the Europa Park.

Laser Show (including Multimedia)

2nd

Mirabilandia Laser Night Show 2010
Scenes Di Giuseppe Zagaria



Client: Mirabilandia

*Laser Show Design and Programming: Marco Inselvini,
Giuseppe Zagaria*

Music: Various

Length of original show: 12 minutes

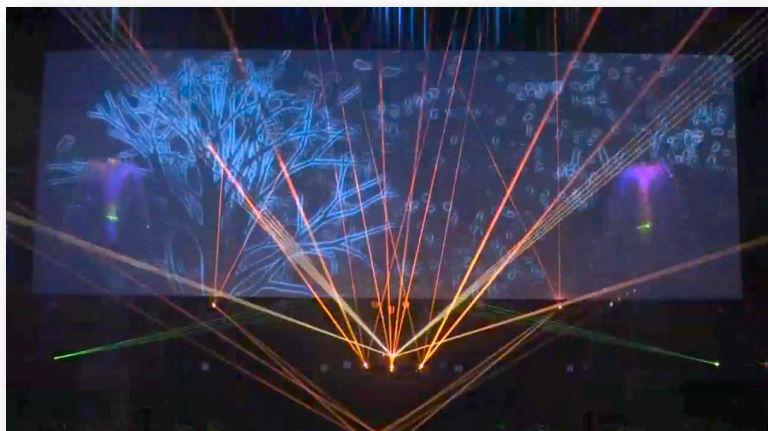
This is a laser night show (2010) for Mirabilandia Amusement Park. Three laser projectors were used: 1 RGB 10 Watts (with 2 scanners) 2 green 5 Watts. The show also used 12 moving heads 1200, a water shield, a video projector and fireworks.

Laser Show (including Multimedia)

1st

The Four Seasons

LaserAnimation SOLLINGER GmbH



Concept and Production: Michael Sollinger

Design and Programming: Jörg Isermann

Technical Support: LaserAnimation SOLLINGER GmbH, Topas AG, Jan Karabasz JKES GmbH

Music: Mix including "Drum Duet" by Phil Collins

Length of original show: 4 minutes

LaserAnimation presented together with its partner company RTI an impressive multimedia laser show at the 2010 "Prolight + Sound" in Frankfurt. The fascinating interaction of laser beams, water fountains, video projections and light effects with a fitting music mix was enthusiastically received by the audience and captured the attention of guests from all over the world.

An extensive setup with a scribing water screen, five laser projectors for beams (3 Full Color PHAENON All Taipan and 2 Dual Color BLIZZARD), two laser projectors for graphics (Full Color PHAENON AT) as well as seven i-Lasers (Moving Laser Heads) ensured a successful performance.

Multimedia Show (including Lasers)

Multimedia Show (including Lasers)

Honorable Mention

Castillo Mystico

LOBO



Beams Designer: Roman Schütz, Iris Schua, Julian de Pompa, Andreas Fritz, Peter Hirsch

Computer Animation: Christian Schnitzer, Bernhard Settele

Video Backgrounds: Iris Schua

Video Cut: Wolfgang Ammrein

Technical Director: Sebastian Thiemeier

Setup: Martin Malorny

Creative Director: Alex Hennig

Video Recordings: Achim Schnitzer of Calren Studios

Music: "Castillo Mystico" by Calren Studios, "Are You Afraid of the Dark" by Marc Terenzi

Length of original show: 9 minutes

The soundtrack and the main story line bases on an outdoor Halloween show produced in co-operation with Calren Studios and the Europa Park. It used live singers, actors and artists on stage, embedded into a multimedia shows with lasers, video,

fountains, fire and fireworks. As it was one of the most successful theme park shows ever, we decided to produce a media-based version of this show, on the basis of bluescreen recordings of the actors, integrated into new computer-generated environments and enriched by completely new laser effects. Also Marc Terrenzi teamed up with our artists to integrate his new song "Afraid of the Dark" into the show.

With a whole armada of high-performance laser projectors of the latest generation (nine of them set up in one line), a 16m video panorama, a Water Screen, fire effects, fragrance, and real 3D sound on the basis of waveform synthesis, our show designers created a spectacular multimedia experience for all senses.

Multimedia Show (including Lasers)

3rd

Fassadenzauber (facade fascination)
HB-Laserkomponenten



Art Direction, Laser Design and Sand Animation: Christian Kaiser
2D/3D Animation and Video Compositing: Jan Christian Friedrich
Sound Mix and Sound Effects: Frank Tod
Music: Various
Length of original show: 10 minutes

This show was made for the Christmas market from the castle Tubling in Germany. We used two video projectors and two lasers to illuminate the facade from the castle. Two other lasers were placed inside the building and were used for beam effects.

Multimedia Show (including Lasers)

2nd

LED 2010

Laser Entertainment S.R.L.



Concept: Mario Anato & Alberto Kellner
Producer: Alberto Kellner
Video Design: Lorenzo Pompei, Mattia Diomedi, Paride Signoretta, Lubohir Iliev, Mauro Marani
Laser Design: Lorenzo Pompei, Federico Colombo
Music Mix & Sound Effects: Lollo Lorenzo Cela
Length of original show: 17 minutes

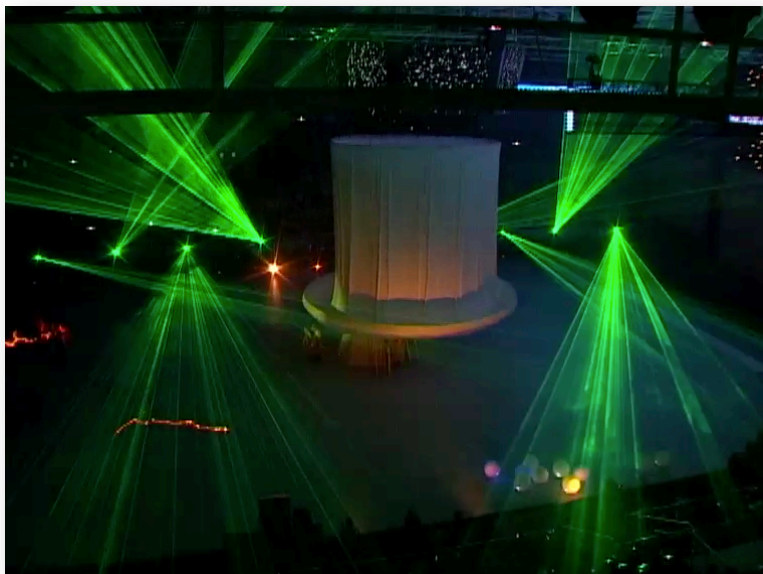
The city of Milan required a multimedia show with a theme of “The Light” to celebrate the opening of the LED 2010 Lighting Festival. The show would be for everyone, without any reference to politics or religion or other issues that could not be shared by everyone. We conceived this 3D/4D videotape and lasershow with the idea to integrate the different media used for lighting shows that usually are performed separately.

We really wanted to use different things together: video projections, lighting, lasershow and the innovative 3D/4D videotaping that is one of the most trendy effects these days, but that we consider a bit unitate if used alone. We really wanted a one-of-a-kind multimedia show.

Multimedia Show (including Lasers)

1st

39th Chess World Olympic Games
Orion-Art Multimedia



Lasershow and Video Design: Alexey Panin, Dmitri Trophimov

Art Director: Victoria Rakhinskaya (Carnival-Style)

Production: Orion-Art Multimedia

Video Projections and Screens: Art Screen and Orion-Art Multimedia

Music: Mix of different soundtracks

Length of original show: 55 minutes

This multimedia show took place in Khanty-Mansiysk (Siberia, Russia) and was a prologue to the opening ceremony of the 39th World Chess Olympic Games.

A show basic element was panoramic projections to the ice arena, the chess figure “the castle” located in the center, and video screens. Laser show opened representations and further was used as beam effects. The great number of costumed actors worked in the arena, displaying along with a panoramic projection, elements of the life of the people of the north and the beauty of their local nature.

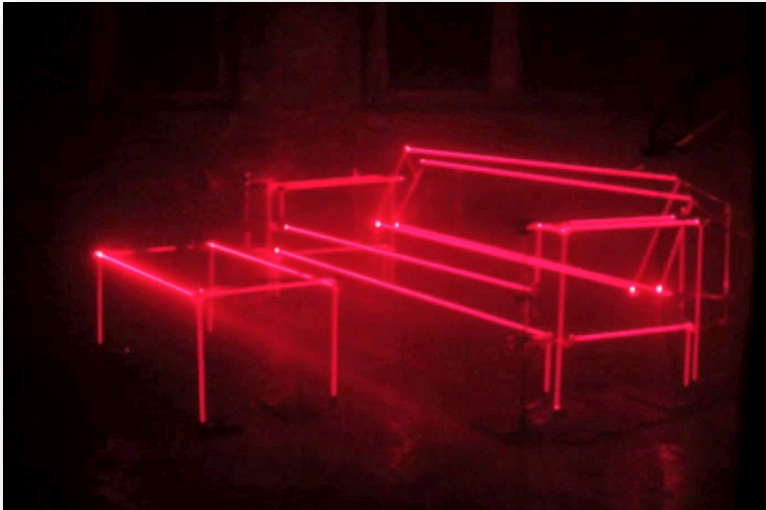
Innovative Application

Innovative Application

3rd

Speed of Light

ER Productions



Installation concept: United Visual Artists

Installation design: ER Productions

Installed by: ER Productions

Programmed by: United Visual Artists

We were brought on board by United Visual Artists to design, supply and install eight automated full-color laser systems with a non-visible safety system allowing the public to feel part of the installation.

Created for Virgin Media to celebrate 10 years of fiber optic broadband, United Visual Artists and ER Productions created an interactive light installation using the very source behind the information super highway.

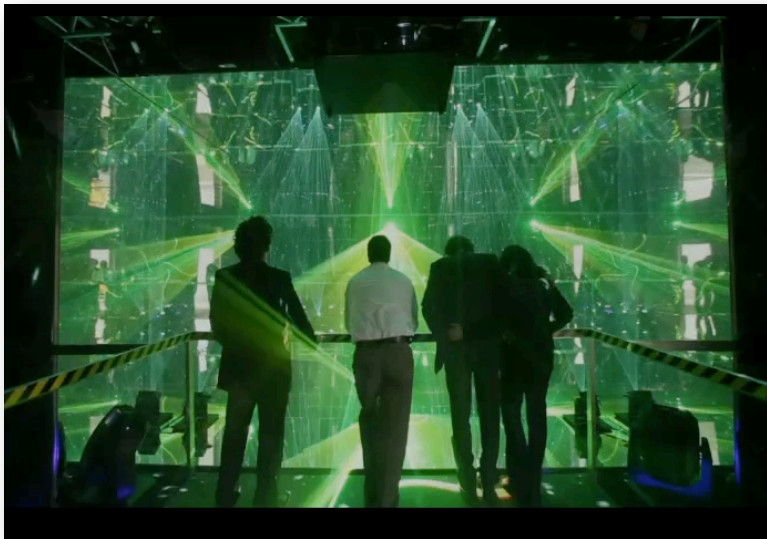
We installed the eight full-color lasers and 140 red diodes in the BargeHouse warehouse space at OXO Tower wharf. Split across four floors, each individual display interacted with the public. Questions are displayed in red laser and as answers are given, a fiber optic cable is lit up encouraging the user to follow the signal.

We made the systems fully automated for use without an engineer onsite. The largest hurdle was meeting health and safety standards without the use of manpower and hideous barriers. To do this, we developed a two-beam infrared curtain which, if crossed, shuts down the laser within 20 milliseconds. The IR curtains were placed 1 meter inside of the audience area with the lasers a further 2 meters away.

Innovative Application

2nd

Hypercube 2010
HB-Laserkomponenten



Art Direction and Show Design: Christian Kaiser

Music: "Matrix Revolutions" soundtrack mix, Don Davis, composer

Length of original show: 2'57"

Hypercube is a specially designed show for a showroom with 5 mirror walls. The mirror cube has a dimension of 3 meters in every axes, but the laser beams look like they continue endlessly. We used two laser projectors on the bottom and three on the top. The laser source in the middle on the top can be split with DMX commands to the two other lasers on the top outside. Also we had used two moving heads in this show.

Innovative Application

1st

Melbourne AAMI Stadium Launch
Oracle Attractions Australia



Technical Designer, Producer & Programmer: Glenn Turner

Programmer and Artistic Director: Tara Smith

Length of original show: 4 hours

Four weeks out from the launch of the Melbourne AAMI stadium, in conjunction with a major football game, they were

falling behind schedule and the thousands of LED lights to illuminate the stadium could not be completed in time. For this reason the stadium reached out immediately to lighting, video and laser suppliers to propose a solution to simulate the effect. We proposed to go beyond this and highlight the shape curves and lines of the stadium using an array of laser systems.

This required lasers to hit the surface from many different angles and each laser could only hit approx. 1/24th of the stadium's surface. Therefore, 24 10-watt OPSL green laser systems were required. Some were up at the very top of the stadium's lighting towers 60m from the ground while an array of horizontally-projected lasers shot from surrounding scissor lifts and cell phone microwave towers.

In addition, each laser's scan angle hit an entire different amount of roof space. Therefore, a very intricate programming sequence was derived. This had to appear to be one continuous effect. Everything we programmed went across multiple scan heads on both the vertical and horizontal axes. The roof space is made up of triangles so this was the basis for our effect.

We also continued this effect onto the football field of the stadium to entertain the audience, highlighting the stadium's unique features whilst they prepare for the big game. This was made up of four 24-watt RRYGB OPSL lasers.

The lasers in the towers were linked via fiber optic and data cable while the surrounding lasers were connected via microwave network links all connected back to one laptop to control the entire display.

To achieve the enormous programming feat, we re-created the stadium roof in our studio made up of balloons covered in sheets then programmed as much as we could offsite, because onsite there was no way to see the entire stadium roof space at once.

Due to all these difficulties, we worked tirelessly throughout every night for seven days pulling this together. We only just completed as the sun was rising on the day of the event. In my almost 20 years of lasers, I've never had such an intricate and difficult task to achieve such an innovative application of lasers. Tara and I still have nightmares about triangles!

Laser Photography

Laser Photography

Honorable Mention

Kite

Planetarium Hamburg



Simon Böttcher, Dennis Bliefernicht, Tine Acke

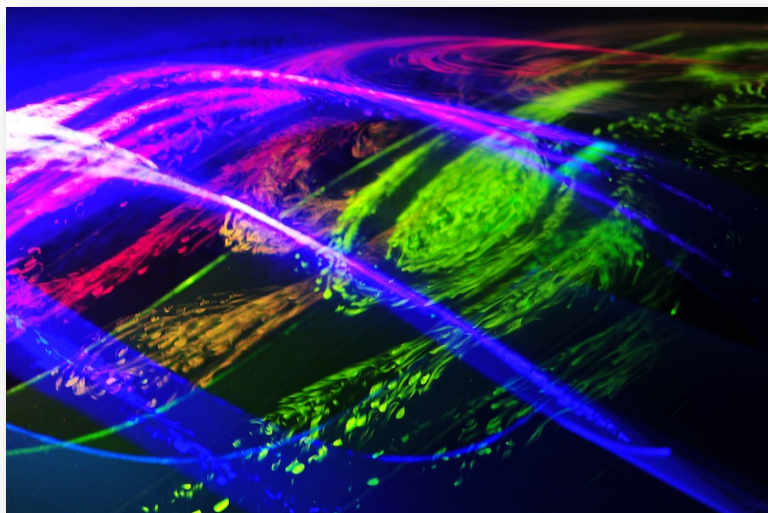
“Kite” is a still image from one of our childrens shows. It is a combination of video projection and laser in a rather childish, colorful style because of the placement in a children’s show. The focus through (and the laser) is set on the kite as this part tells of a kite flowing and journeying through the winds and the freedom and closeness to nature. The show itself is a journey through our surroundings and environment, and serves as an introduction to the importance and fragility of our environment.

Laser Photography

3rd

Other Worlds

Lightwave International



Programming, Concept and Photography: George Dodworth

Other Worlds is an example using a new 3D laser light painting technique. The image was captured using just one laser and normal exposure. The image you see here is 3D light solid. You may walk around it and experience it from different angles; each view is different. There is no flicker, and there are no visual tricks.

One RGBY Arctos laser is used as the light source, with Pangolin steering the beam and modulating color.

The results seen in this photograph were not intended. It was a destination that presented itself as the capabilities of the medium became clear. The galaxies with outstretched arms formed in front of the artist as an unexpected side-effect.

This photograph is entirely untouched from its actual exposure. It is a bit-for-bit original with zero modification to contrast, curves, crop, color, etc.

Laser Photography

2nd

Unicorn

LOBO



Designer/Photographer: Niklas Zorell

Creative Director: Alex Hennig

This image was made to document a student project, playing with different means of expression with lasers for projection purposes.

Also the sun has been displayed by a second laser, creating a spiral pattern with a bitmap overlay. For the photo we used a rear projection on a projection foil, slightly illuminated by washlights and placed the camera in such a way that the head of the unicorn became the most intense part of the photo.

Laser Photography

1st

Ludicrous Speed!
Lightwave International



Programming, Concept and Photography: George Dodworth

Ludicrous Speed! was captured with one single exposure and one single laser. Ludicrous Speed captures the essence of lightspeed through a perceived stop-motion of the laser source: but we know this is not possible! Ludicrous Speed foresees the future. Ludicrous Speed ridiculously confuses your laser mind!

2011 Fenning Awards for Technical Achievement

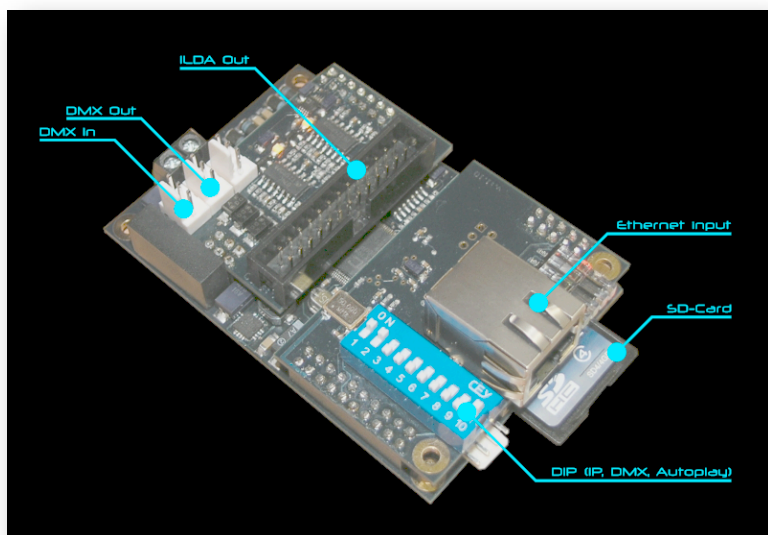
In this category, ILDA is looking for technology that helps laserists do better shows in one or more ways; for example, more easily, with higher quality, at lower cost, etc. This year, the judging panel selected two entries as representing this type of technical achievement. Our thanks to the judges, and to Dirk Apitz for serving as judging coordinator.

Judges: Dirk Apitz, Beamwalk/DexLogic
Timothy Hallmark, Coherent
Glenn Turner, Oracle

Fenning Awards

Honorable Mention

Moncha.NET
Showtacle Ltd.



Moncha.NET integrates an Ethernet laser show controller, DMX controller and stand-alone laser show player into one small OEM board, which can be installed directly to any laser show system.

It uses a standard SD card (up to 32 GB) to store up to 254 complete laser shows totaling up to 20 hours of show material. It has a laser safety brightness map which works in DMX or stand-alone mode. It can be controlled remotely over Ethernet or Internet (using a public IP address); this includes uploading frames and shows, configuring the stand-alone mode, configuring the brightness map, and optimizing color balance and fade-in curves. It has DMX-512 outputs and inputs.

Fenning Awards

3rd

Laser Harp Controller
Prolight



A full-color laser harp controller for ILDA-compatible laser projectors. Users can switch between several modes with different numbers of beams as well as several beam color combinations.

The Laser Harp Controller does not include a built-in laser projector. This enables users to freely choose their own laser setup for every performance, whether they need a less powerful laser for indoor events or a high-powered laser for open air performances. It can be used with monochrome or full-color lasers as well.

ILDA Professional Presentation

The ILDA Accredited Professional Lasershow Company program is for companies, organizations and individuals that have proven, documented and substantial experience with laser shows and safety. The companies below submitted their applications and were awarded ILDA Professional accreditation in 2011. Congratulations!



Listed alphabetically

Lightwave International
George Dodworth

LOBO
Lothar Bopp & Alex Hennig

2011 Career Achievement Award

The Career Achievement Award is ILDA's highest honor. It recognizes exceptional individuals with a distinguished history of achievement in the laser display industry.

Stephen Heminover Aura Technologies



Steve Heminover in 2007, with his portrait in the University of Illinois alumni hall, after receiving the school's Alumni Achievement Award. He was honored for being "a major contributor to the growth and development of the [laser display] industry."

Steve Heminover has been working since the early 1970's with laser display, to make it a formidable alternative to conventional media. In 1975 he created LGRASS, an interactive computer language specifically designed to control laser displays. As the first high-end laser graphics workstation, LGRASS pioneered true 3D (1984), stereoscopy (1985), and full-color RGB control (1988). He was the first to introduce the concept of RGB laser

projection systems in Europe, along with industry standards to support them. The company he founded and runs, Aura Technologies, has been a pioneer in providing laser "clip art", in addition to producing shows and installations.

He is a founding member of ILDA, where he has been very active. As chair of the Technical Committee for its first six years, he helped develop and evangelize the first worldwide industry standards. He created the Advanced Technology Workshop. He has served on the Awards Committee since its inception in 1988, helping create its rules and standards for excellence, and presenting as Master of Ceremonies for ten years. He has served on the ILDA Board of Directors for eight years, and was elected ILDA President a record three times.

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