

2015 ILDA AWARDS



Presented 11 October in Dubai
at the 2015 ILDA Conference
hosted by 3rd Dimension EvenTech



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Cover photo: “Destructive Observation Field”, LaserAnimation SOLLINGER
Artist: Robert Henke Photo: Anna-Katharina Scheidegger.
(rotated sideways to fit vertical format)
First Place winner, Laser Photography category

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LASER SAFETY INFORMATION

ILDA requires its Members to perform safe and legal laser shows. **All Members submitting ILDA Award entry videos have explicitly certified that the laser effects depicted meet safety standards, as well as all applicable laser safety laws and regulations** (including laws for audience scanning) in the location where the show was performed.



- Entries filmed in a studio, with no audience, can use any power and can scan anywhere, even if the original show was intended for an audience.
- However, if the video depicts an audience watching the laser show, or has lasers near performers, then the show must be safe for the audience and performers, and must comply with all applicable laws and regulations.

ILDA Awards safety review

In addition to Award entrant statements, ILDA reviews every entry for any potential safety issues. **ILDA has the right to remove or disqualify an entry if, in our opinion, the show violates or appears to violate safety standards, laws and/or regulations.**

Note that despite ILDA's review process, ILDA cannot absolutely certify that an Awards entry is safe and legal. This is ultimately the responsibility of the entrant.

If you have a laser or a laser projector, do NOT attempt to perform the type of audience-scanning effects seen in ILDA Award-winning videos 1) without qualified expert safety planning and supervision and 2) without prior written permission from appropriate authorities. These authorities may include federal, state and local laser safety regulators, venue operators, and insurance companies.

JUDGING & VOTING

Artistic Awards

Judged in Oberschleissheim, Germany by a three-member panel that met for review and voting, May 1-2, 2015

Judging Coordinator

Bernd Steinert

Judges

Andreas Juergens, Peter Mayer, Marcus Steblei

Laser Photography

Judged by ILDA Members voting online, June 2-16, 2015

Laser Jockey

Judged by attendees watching the LJ performances live during the Lase-Off at the ILDA Conference, Dubai, October 10, 2015

Technical Awards

Fenning technical entries were judged via online discussion of a three-member panel that reached its decision on July 3, 2015

Judges

Dr. Matthias Frank, Institute of Computer Science 4 (University of Bonn), Judging Coordinator; Yousri El Gazar, Laseronics Middle East; Derek R. Flickinger, Interactive Homes

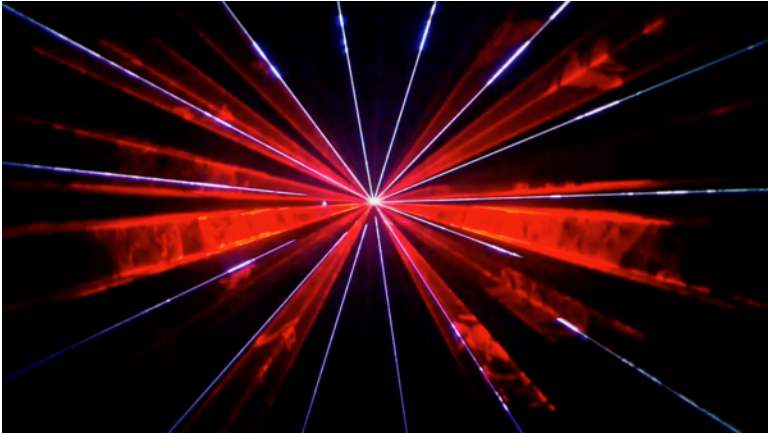
Career Achievement Award

Voted by ILDA Members voting online September 9-18, 2015

BEAMS/ATMOSPHERICS SHOW FOR A SINGLE X-Y SCANNER PAIR

Third Place

Elisabeth
Merlin Schaad



Artist: Merlin Schaad

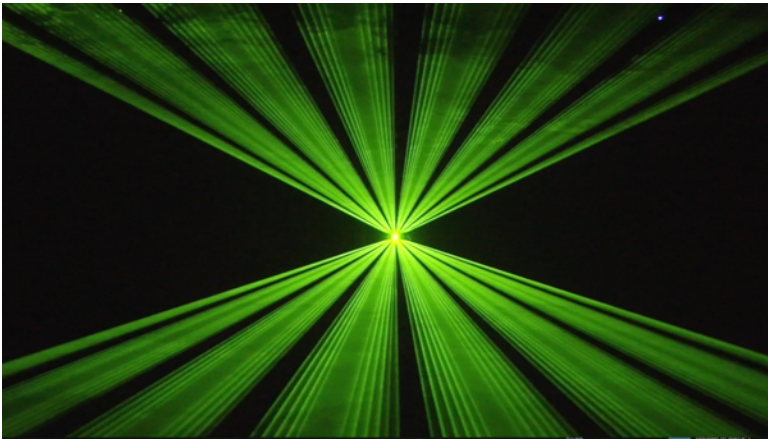
*Music: Oonagh - "Gää", Originalaufnahmen Musical
Elisabeth Wien 1992 - "Prolog"*

Here I wanted to show the feelings that may feel Oonagh their songs of infinity. The force of the earth shall be reflected in the laser light. Associated with the ancient history of Elisabeth.

Beams/Atmospherics Show for a Single X-Y Scanner Pair

Second Place

Sunrise
LOBO



Beams: Philipp Wendt
Creative Director: Alex Hennig
Music: Overwerk, "Daybreak"

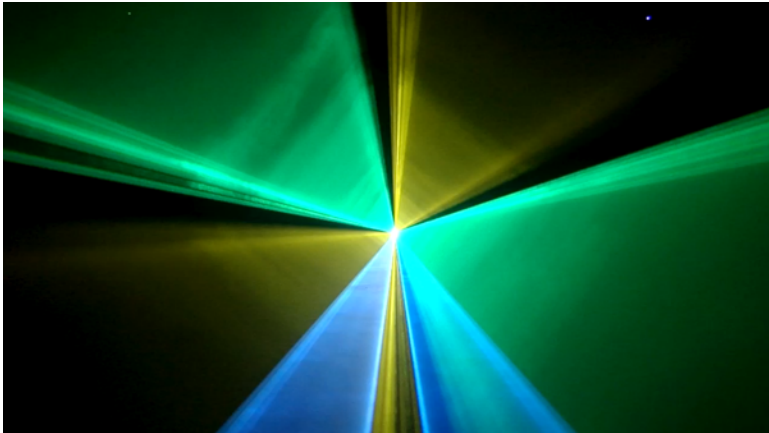
Although just limited to one scanhead, this show provides utmost variations on such a level of perfection that the laser seems to play the music. You virtually see the groove of the music and even most subtle variations and modulations of the sound have been transformed into laser lights, by creative means, such as minimal movements and vibrations.

The precision of the effects even exceeds of what the frame rate of this video can display.

Beams/Atmospherics Show for a Single X-Y Scanner Pair

First Place

Wild Things
LOBO



Beams: Philipp Wendt

Creative Director: Alex Hennig

Music: Kick the Habit, "Into the Wild"

This show bases on extremely puristic experimental electronic music. Core of the creative concept behind this show are speedy chases and extreme modulations which rarely follow a continuous scheme. The show has more than 5500 programmed cues -- a clear sign of an insane dedication to detail.

BEAMS/ATMOSPHERICS SHOW FOR MULTIPLE SCANNER PROJECTORS

Third Place

Adventures
LaserAnimation SOLLINGER



Programming and Design: Stephan Rieck

Producer: Frank Henning (laser performance)

Music: Hans Zimmer: "Spirit", Spirit OST

James Newton Howard: "Touring the City", Atlantis OST

*Harry Gregson-Williams, John Powell: "Ride the Dragon",
Shrek OST*

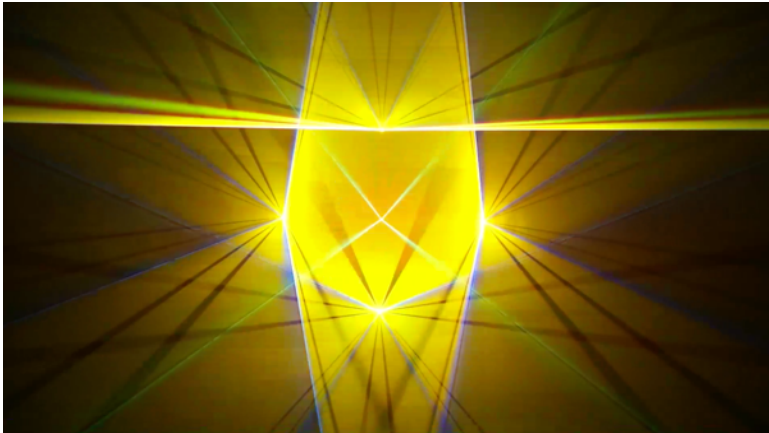
James Newton Howard: "Epilogue", Dinosaur OST

This show is offered as a standard beam show. The theme of the soundtrack was adventure. For this appropriate movie scores were combined. Equipment: 2 Lasergraph DSP channels, 3 PHAENON RGB Basic

Beams/Atmospherics Show for Multiple Scanner Projectors

Second Place

Shadows
VisuTek e.U.



Programmer: Markus Voggenberger

Setup and Laser Operator: Helmut Gruber

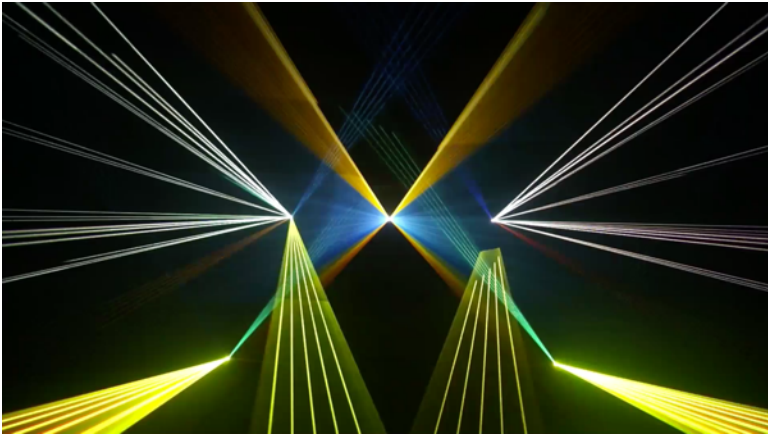
Music: Audiomachine, "Land of Shadows", Kelly Andrew Remix

The focus of this show lies on the configuration of our laser systems, to create some fantastic effects. For this special arrangement we chose the remixed version of "Land of Shadows", originally from the album "Helios" from 2012. This show is a great mix of epic music and dubstep.

Beams/Atmospherics Show for Multiple Scanner Projectors

First Place

Atemlos
VisuTek e.U.



Programmer: Markus Voggenberger

Setup and Laser Operator: Helmut Gruber

Music: Helene Fischer, "Atemlos durch die Nacht", Bassflow

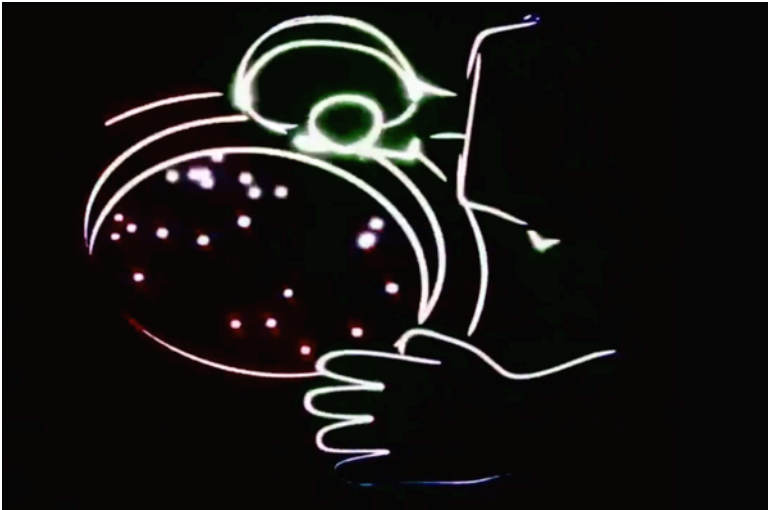
Main Radio/Video Mix

This beamshow was created for a German event company, to bring the #1 hit single "Atemlos" to their stage shows. It is a powerful show with great color mixing and precisely timed effects.

GRAPHICS SHOW

Third Place

Major Tom
LaserAnimation SOLLINGER



Graphic/Design: Bas Verstraelen

Concept: Juergen Kleine

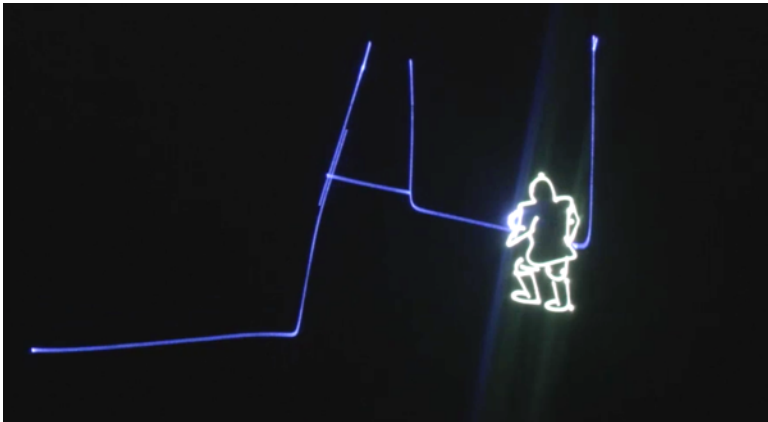
Music: David Bowie: "Space Oddity" from the movie "The Secret Life of Walter Mitty"

Equipment: 2 Lasergraph DSP channels, 3 PHAENON Basic 3500 laser projectors

Graphics Show

Second Place

The Legend of the Wawel Dragon
Mediam Sp. z o.o.



Włodzimierz Duval, Bogdan Hanusiak, Mateusz Wolski
Music: Various sounds

One of the best-known Polish legends as told by laser animation. It's about a dragon, which was terrorizing the city of Cracow. Many brave knights tried to kill him but none of them succeed. He was finally killed by a Dratewka, a young shoemaker. He made a fake sheep filled with sulphur and pitch and dropped it off near the dragon's lair. The dragon ate it, it was bit spicy... so he had to drink some water. He drank too much and exploded. Dratewka won a princess and half of the kingdom.

Graphics Show

First Place

Nosferatu
LaserAnimation SOLLINGER



Programming and Design: Stephan Rieck
Producer: Frank Henning (laser performance)
Additional Animations and Artwork: Chistian Gorny
Music: (not stated)

Nosferatu is a legendary German silent movie classic from the 1290s. The idea behind the show was to get as close as possible to the typical character of the silent movie. Therefore it starts and ends with a lot of rushing and crackling noises and the sound of a film projector. Also all scenes have changing colors but each one is monochrome to imitate the toning of the scenes originally filmed in black and white as was typical at the time.

The characters talk but cannot be heard. Instead there are the classic captions between the scenes. There is only music, no sound effects. Also the pictures shake and vibrate a lot, as was typical for movie screenings at the time. This show was deliberately programmed in an old school fashion; i.e. using frame by frame animations, morphing and the like but no modern 3D Max animations.

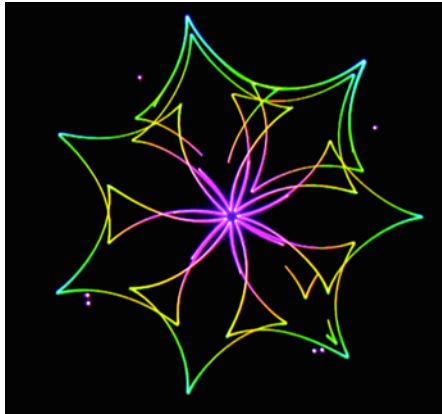
The original show is considerably longer but it was massively shortened for its entry for the ILDA awards. However, all legendary scenes from Nosferatu are retained (e.g. Count Orlok's shadow on the door).

The show was designed for the "Novemberlichter" (November Lights) fair in Wismar, the city where most of the exterior shots of the movie were originally filmed. Equipment: 1 Lasergraph DSP channel, 1 PHAENON RGB Basic.

ABSTRACT SHOW

Third Place

Oh So Quiet
Christopher Short



Music: Bjork, "It's Oh So Quiet"

The first time I saw Bjork I was in love.

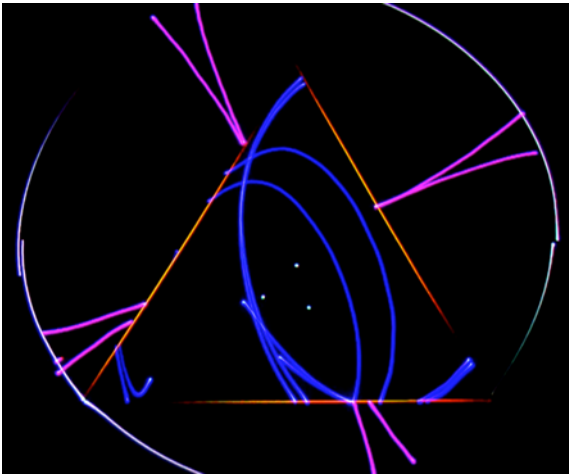
She was singing Motorcrash with the Sugarcubes. This ethereal punk rock girl who growled and bit at the notes. I was a farm boy turned desert rat living in the atomic sci-fi town of Las Cruces. Nominally attending university and practicing scorched earth spirituality with motorcycles and flamethrowers in the desert wastelands. She raised the hairs on my spine and made my palms sweat. Something bigger than me happened on that day and I hoped it took root.

The dynamics of this song hooked me. From the riotous explosion of joy and big band brass to intimate lullabies. I created delicate filigrees of light and explosions of points and lines to capture moods. From absolute black to abstract eye stabs and organic three dimensional shapes.

Abstract Show

Second Place

Analogue Slime
Christopher Short



Music: Christopher Young, "A Vibrant Slime"

In the desert, we are all aliens. Even the first people and those who came from the sky before them.

From the spreading infection of satellite signals beamed in our brain to living nano particles and flux lines of high energy reactors opening portals to other galaxies. Giant machines thrumming deep inside pyramids and new worlds to explore.

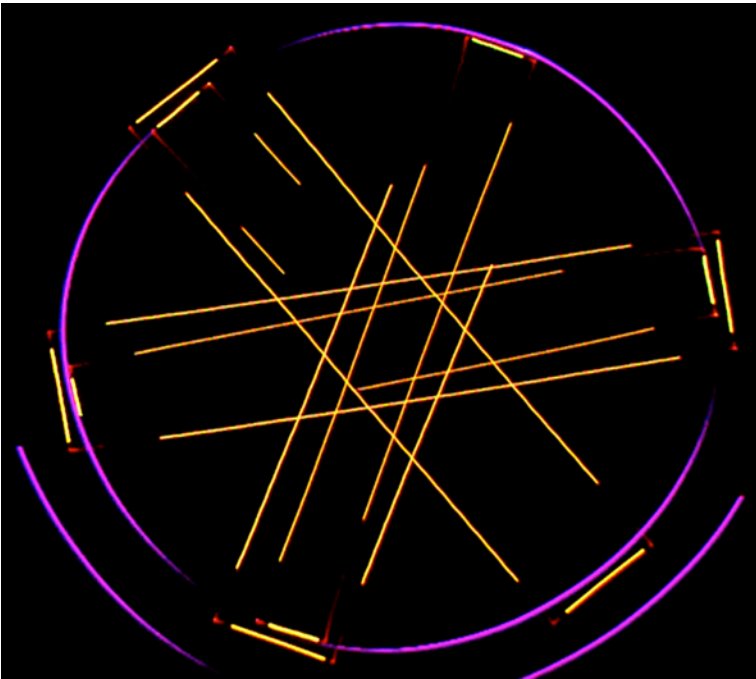
We are full of stars.

This was a very fun to show to do. Creepy music with boxcars of tension and I could just play by creating giant machines and strange energies. Mostly lissajous abstracts with three dimensional surface mapping and multilayer clipping surfaces. I paid special attention to narratives of transitions and flow to create an immersive and alien environment.

Abstract Show

First Place

Hey Pachuco
Christopher Short



Music: Royal Crown Revue, "Hey Pachuco"

1943 and the champaign and bullets are flowing. Blue and white zoot suited Pachuco. Riots, gang wars, and swing. Lindy hop lissajous and the man is gunnin' for me.

I'm a sucker for swing and brass and this song delivers in spades. Driving rhythms. Explosions and dance. I modeled abstracts and animations after dance sequences. Tempo changes to keep things interesting. Explosions and the flashing red and blues of sirens.

BEAMS AND SCREEN SHOW

Third Place

Skoda Celebration
KVANT Ltd.



Manager: Michal Simkovic

Programmer: Martin Gabco

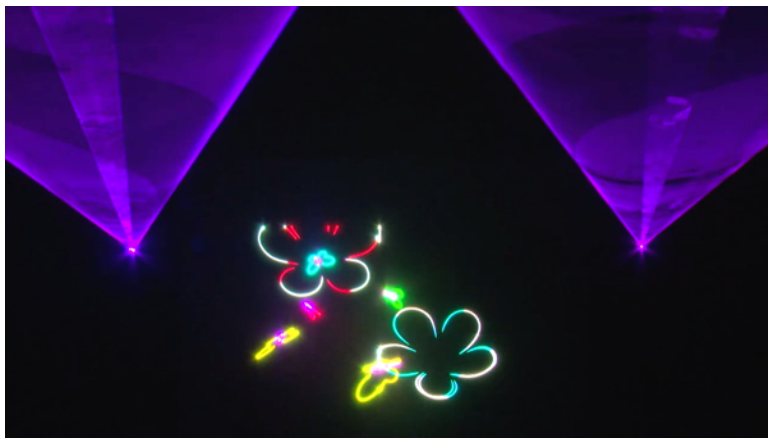
Music: Nick Phoenix and Thomas Bergersen, "Dragon Rider"

This show has been created for the celebration of the Czech Skoda company and took corporate colors. The service key (wrench) was representing an icon of the best employee of the service section. Besides video mapping, the shape of the key has been highlighted with a laser.

Beams and Screen Show

Second Place

The Flower Dance for Ice Arena
Orion-Art Multimedia



Art Director: Alexey Panin

Graphics: Kirill Nikitochkin

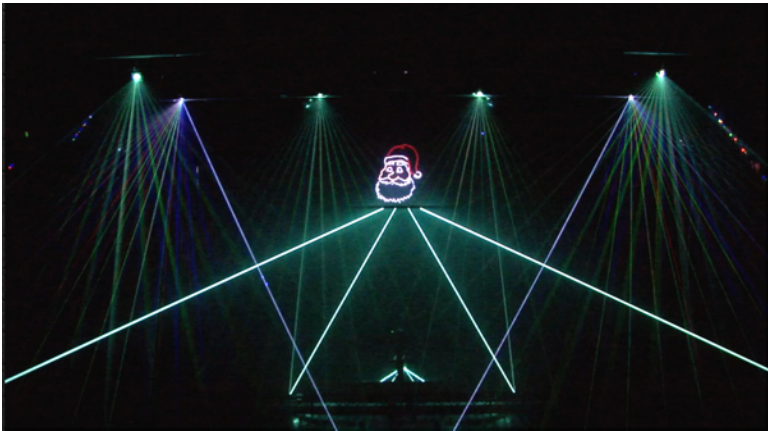
Music: Pyotr Ilyich Tchaikovsky, "The Nutcracker"

This panoramic show was made for the performance took place on the ice arena. The spectators were sitting around and watched the show from the top. All the character motion was captured from real dancers by means of Microsoft Kinect.

Beams and Screen Show

First Place

X-Mas Memories
LOBO



Animations: Christina Fink

Beams: Philipp Wendt

Creative Director: Alex Hennig

Music: Christmas Symphony, "Troika (I Believe In Father Christmas)"

This small, charming Christmas show originally was produced for the 6-scanner arrangement of the planetarium in Stuttgart. The video shows the version which is optimized for general applications with regular screens.

The show interprets the lyrics of "Troika (I Believe in Father Christmas)," overcoming the frustration that Christmas never again will be what it was as a child.

[Note: For 2015, there were no entries judged in the Planetarium Show category]

NIGHTCLUB/DISCO/MUSIC FESTIVAL SHOW

Third Place

*Queens of the Stone Age,
Reading and Leeds Festival 2014
ER Productions*



*Designers: Ryan Hagan and Marc Webber
Programming and Op: Andrew Turner
Music: Queens of the Stone Age, various tracks*

Queens Of The Stone Age had 11 laser systems (seven 24w RGBB OPS Lasers and four 8w G OPS lasers) plus 24 2.75w RGB Beamburst rigged in an arch formation around the main stage whilst the band played with it.

Independent laser towers were supplied which rolled on and off in the tight changeover making it easier for the crew on site. The lasers accompanied the band on eight tracks. It was certainly a case of we have a full-on laser rig and we're gonna use it!

None of this again would be worthwhile if it weren't for the smoke solution applied at the stage.

In total we used eight Viper Delux's and 4 Unique hazers along with four systems of Lumen wireless DMX to control the atmospherics on what was a very windy night.

Nightclub/Disco/Music Festival Show

Second Place

Bazinga
LOBO



Beams: Philipp Wendt
Creative Director: Alex Hennig
Music: Showtek, "Booyah"

Originally produced for an Argentina-based nightclub, the video shows the performance at the Luxury Club Nights in a break between the live performances of DJs/LJs.

The show for this classical and aggressive house tune was produced on the basis of precisely choreographed chases and some effect combinations we have never seen before. The especially difficult off-beat elements have been implemented with striking interference effects. Movements perfectly swing with the groove of the music.

Nightclub/Disco/Music Festival Show

First Place

Machac Festival
KVANT Ltd.



Manager: Michal Simkovic

Programmers and Operators: Martin Gabco and Tomas Krze

Music: MSMR, "Hurricane"

One of the biggest festivals in Czech Republic. The laser mapping and lasershow were created from 15 lasers. The goal was to map the whole stage and to show the lasers in a different light than the public is used to on a lasershow for festivals.

CORPORATE SHOW

Third Place

BMW Lamac
KVANT Ltd.



Manager: Michal Simkovic

Programmers and Operators: Martin Gabco and Tomas Krze

Music: Havasi Balasz, "Napvihar"

This time the new owner of a BMW car showroom didn't want to present only the cars. He wanted to highlight his very new building in the new BMW corporate style.

Shapes of which he was proud had to be shown. Not only the beam show in the showroom space filling up the ambience, four lasers were taking care of marking indoor shapes and another five lasers were highlighting outdoor lines.

The small little rainy weather outside was giving a nice sparkling ambience for audience inside which was watching through the windows the outdoor mapping from inside.

Corporate Show

Second Place

Mercedes
Mediam Sp. z o.o.



Włodzimierz Duval, Bogdan Hanusiak, Mateusz Wolski, Maciej Bubula

Music: Daniel Dropek, "Horyzont"

Laser mapping of new Mercedes model shown on the launch party. It's still an unusual and innovative way of presenting cars and new products in general.

Corporate Show

First Place

BMW Mapping
KVANT Ltd.



Manager: Michal Simkovic
Programmer: Martin Gabco
Music: Nero, "Etude"

New BMW 2 Active Tourer is a car with an iconic boldface. The local car dealer was looking for technology which could highlight his shapes front of his potential clients.

That's why he chose that shiny, impressive light called laser. Good atmospheric dub-step music and nice ambience was filling up two nice future-style dressed girls, who uncover the car in front of the people.

LIVE STAGE SHOW

Third Place

Pretty Lights at Red Rocks
Live with the Colorado Symphony
Lightwave International



Live Performance: Greg Ellis

Laser Technicians: Neal Nance, Bill Bennett and Scott Dixon

Additional Programming: Mike Dunn

Music: Various songs from Pretty Lights

Lasers and a live symphonic composition bring new life to the music of Pretty Lights in one of the most acoustically beautiful venues anywhere.

Live Stage Show

Second Place

Katy Perry, Prismatic World Tour ER Productions



Designers: Baz Halpin and Ryan Hagan

Programming: Ryan Hagan, Andrew Turner, Alex Oita

Tour Tech and Op: Alex Oita

Music: Katy Perry, "This Moment", "Love Me", "Extra-Terrestrial" and "Firework"

Lasers and prism effects were the themes for the Prismatic world tour. To achieve this we used nine 21w RGBB OPS lasers rigged around the upstage triangle and six 5w RGB Tripan OPS lasers on the upstage edge between the band members (lower power units were used on stage for safety reasons when using the diffraction gratings), all with the built-in rotating diffraction grating.

The rig was triangular in structure which was carried through to the laser design. Geometric forms were the basis for all programming which accompanied Katy during the tracks "This Moment" and "Firework". Diffracted laser light was the best way to represent prisms on stage.

The lasers can easily switch between scanning and diffraction. The diffraction is created by the beam being diverted within the system, so no scanners are used to produce the effect. With 15 systems this meant metering could be more easily achieved in the time available.

Zones were split between stage areas and arena roofs; utilizing both gave the geometric shapes required by the show designer. All touring personnel were fully briefed about laser positions and terminations. Choreography was produced to suit these looks; all programmed via Pangolin Showtime. This show was independently verified 32 times.

First Place

Kylie Minogue, Kiss Me Once World Tour
ER Productions



Designers: Rob Sinclair and Marc Webber
Programming: Lawrence Wright and Marc Webber
Tour Techs and Op: Lawrence Wright and Tom Vallis
Music: Kylie Minogue, "On a Night Like This", "Slow" and "Kiss Me Once"

Laser mapping was a key feature of the Kylie tour. A large steel structure was rigged mid-stage which was projected onto by five 5w Tripan RGB OPS lasers. Having produced various mapping shows, it was worked out that each laser could effectively map six meters of structure with 30k scanners. The main mapping effect was used in the track “On A Night Like This”.

So as not to make these lasers redundant for any other use, a set of small metal wing mirrors were fabricated. These attached to the flown mapping units so zones could be focused onto the downstage line. These extra five zones added to the lightshow which was mainly produced by a further six 5w RGB Tripan OPS lasers rigged upstage around the set.

Single beam structure for “Slow” was produced by sixty 2.75w RGB Beamburst. The small DMX-controlled units produced a static beam or rotating diffraction grating. For the track “Slow”, white single beams terminating onto stage and out into the arena accompanied by white structure mapping and scanning. The diffraction effects from these units were used in “On A Night Like This” and “Kiss Me Once”.

The theme for “On A Night Like This” was disco and the RGB Beamburst certainly delivered. Pangolin Beyond and a Roadhog 4 were used for this world tour and no fewer than 67 projection zones. All touring personnel were fully briefed about laser positions and terminations. Choreography was produced to suit these looks. This show was independently verified 26 times, ten of which the inspector was present throughout verifying with live meter readings.

LIVE TV SHOW

Third Place

Kasabian, iTunes Festival 2014
ER Productions



Designers: Nick Gray and Ryan Hagan
Programming and Op: Ryan Hagan and Alex Oita
Music: Kasabian, "Treat"

The touring rig was too big to put into the Roundhouse for this performance so was stripped back to five 18w RGBB OPS lasers and 24 2.75w RGB Beambursts. The track "Treat" was perfect with its second half having the great melodic and electric sounds ideal for a laser show. The design was focused around simplicity but boldness was the key. A caged wall of lasers was created around the band whilst they performed under it. Show designer and band wanted to keep the stage dark to achieve this. This allowed the laser effects to be traditional and basic, but with the lights out really packed a punch on TV. The show was operated live via Pangolin Showtime. All touring personnel were fully briefed about laser positions and terminations.

Live TV Show

Second Place

Stars of Science LaserTech Canada



Derek Garbos

Music: Not stated

Stars of Science, initiated by Qatar Foundation, is a reality television series encouraging the Arab world's next generation of aspiring science and technology innovators. In this live final, the winners are revealed. We provided many different laser effects during this event, two of which were quite unique.

The first was a “nervous system” effect which was projected onto three of the performers; the second was a synchronized drum sequence. The drums were created by projecting seven 6-watt RGB lasers onto five-foot diameter circular mesh drum props. The entire sequence contained over 1700 timeline events and was triggered by timecode. Safety was of utmost importance, with all performers wearing OD 6+ safety glasses blocking out the blue and green wavelengths with red only being projected below the performers head level.

Live TV Show

First Place

X-Factor Final 2014
ER Productions



Designer: Ryan Hagan

Programming and Op: Andrew Turner

Music: Various artists including Take That, Ben Haenow, Fluer East, Andrea Faustini and Ella Henderson

Two 18w RGBB and two 36w RGBB OPS lasers, plus 24 2.75w RGB Beambursts were used for this live TV Show. The design was focused around the termination of all effects so that all camera positions could obtain good laser shots.

The Beambursts were added for another layer of static beams but also for blue rotating diffraction gratings for one performance by “Take That” and their track “Rule the World” and RGB rotating diffractions during the group ensemble. All programming was done on site and in a very short space of time with multiple acts requiring laser effects. This installation was independently verified and the inspector was present during the

[Note: There was no third place awarded in this category for 2015.]

show to verify with live meter readings of the rotating diffraction effects.

EDITED FILM/TV/VIDEO

Second Place

Camila
LaserNet



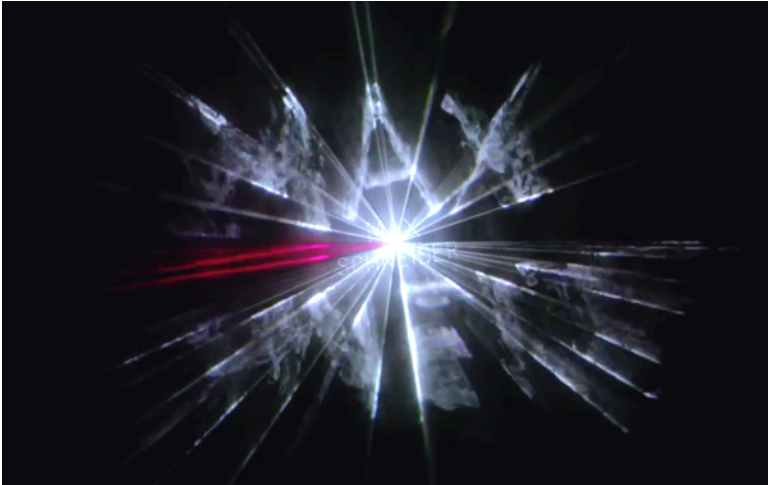
Music: Camila, "Decidiste Dejarme"

Music video with a touring band.

Edited Film/TV/Video

First Place

YouTube Music Awards Ad
Lightwave International



Programming: Eliav Kadosh and Mike Dunn

Additional Content: Autofuss

Music: (not specified)

The energy of YouTube is brought to life through the use of lasers to create a visually captivating commercial for their 2015 Music Awards. It was shot using a robotic motion-controlled camera moving through the laser images with a limited number of takes and editing.

LASER SHOW (INCLUDING MULTIMEDIA)

Third Place

The Love Arrow (Wedding Show)
Orion-Art Multimedia



Lasershow and Video Design: Alexey Panin
Technical Director: Pavel Korotkov
Event Director: Daniil Maneshin of Knyazev Agency
Customer: Alfa Bank
Music: Keiko Matsui, "Rose in Morocco"

The idea of the show was to connect the real LED lighted arrow, shot by the groom and the laser arrow on the screen. This arrow is traveling through the main points of the love story during the show.

Laser Show (including Multimedia)

Second Place

Spiderman Shredder
Merlin Schaadt



Artist: Merlin Schaadt

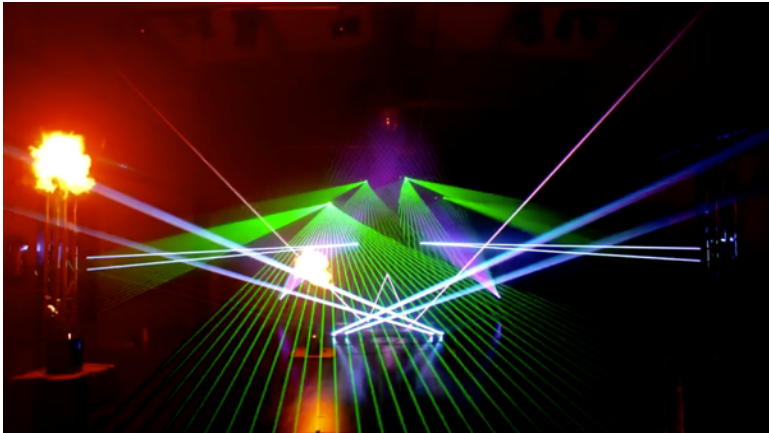
*Music: The Amazing Spiderman 2 OST - "Im Spider-Man",
Really Slow Motion - "Shredder", Tuomas Holopainen - "A Life-
time for Adventure"*

The goal of this show was to create an intense show experience with lots of special effects for the film "Spiderman 2". Attention was paid mainly to the gloomy scenery with recurrent highlights. Instead of relying only on fixed mirror points, also moving beams were used on mirror surfaces.

Laser Show (including Multimedia)

First Place

Mechminded
Merlin Schaad



Artist: Merlin Schaad

Music: Switch Trailer Music - "Dreamfall", "Mechminded"

In this show, the aim was no longer to let the audience get to breathe: fireballs, intense music and a radiation storm in less time. In addition, attention was paid to accurate programming on the choppy groove.

MULTIMEDIA SHOW (INCLUDING LASER)

Third Place

The Soul of Baikal Lake
Orion-Art Multimedia



Lasershow and Video Design: Alexey Panin

Technical Director: Taras Viter

Producer: Asya Sadykova.

*Music: "The Horse" (Igor Matvienko , Sergey Shaganov), X-ray
Dog music library, 2 Steps from Hell music library*

The Baikal Lake water and the light of the stars above it transforms to the images of main Russian culture points, from the first Christian church to the World War memorials.

Multimedia Show (including Laser)

Second Place

Lichtmond - The Experience
LOBO



Music/Singer: Martin Koppehele
Surround Sound Mix: Giorgio Koppehele
Beams: Roman Schuetz, Philipp Wendt
Computer Animation: Diego Bonnati, Javier Sáenz-Messina
Laser Animation: Christina Fink, Reyhan Sel
Technical Support: Werner Most, Louis Orihuela Castro
Technical Director: Jochen Schmid
Creative Director: Alex Hennig
Music: Lichtmond, "Days of Eternity"

Their career is decorated with gold and platinum and there has been no release in the fall of 2014, which surprised with such an overwhelming success in German sales charts.

The latest release "Days of Eternity" of the Munich-based project "Lichtmond", shot from zero to #1 in German Top 20 Music DVD Charts and with #1 in Amazon's 3D Blu-ray Charts it scored better than all Hollywood blockbusters.

The Lichtmond team around the two brothers Martin und Giorgio Koppehele creates dream worlds of unparalleled beauty by means of magical sounds and impressing computer animations. Right from the start "Lichtmond" pursued an uncompromising commitment to the highest level of quality in every respect: Surround sound in perfection meets 3D content in 4K resolution together with poetic collages under the participation of celebrities, such as Alan Parsons, Midge Ure and Sky du Mont. We teamed up with them in the production of the last release for live entertainment solutions.

What you see on the video are impressions of a multimedia trailer bringing Lichtmond from the living rooms on stage. It was a major challenge transforming established Blu-ray productions into a live entertainment concept. We had to find completely new means of expression and had to experiment a lot especially with a targeted use fog to make atmospherics visible but still maintaining the brilliance and the 3D impression of the water screen projections.

Together with the Spanish 3D artist Diego Bonati we created completely new content for this show to create different video layers by means of water screens, which creates a fascinating three-dimensional experience even for large audiences without the need of any 3D goggles. The show not only features lasers and numerous special effects, but also real 3D sound on the basis of waveform synthesis.

REMARK: We wanted to give the jury a most comprehensive impression of this show, full of impressive details. This results in a lot of cuts on the video entry, all clearly marked with a short, white flash.

Multimedia Show (including Laser)

First Place

Cairo Children Park
LOBO



Computer Animation: Julian de Pompa
Laser Graphics: Peter Hirsch
Compositing & FX: Bernhard Settele
Underwater Video: Rick Haupt, Oceans Discovery
Video Post Production: Iris Schua
Sound Mix/Sound Design: Andreas Fritz
Beams F/X: Roman Schuetz
Mechanical Construction: Marc Garcia
Setup: Louis Orihuela Castro, Dennis Bopp
Installation Design: Reyhan Sel
Technical Director: Jochen Schmid
Creative Director: Alexander Hennig
Music: Klaus Badelt, "He's a Pirate"
Harald Kloser & Thomas Wander, "End Credit"
Kenedy & Jaz Coleman, "The End"
Harry Gregson-Williams & John Powell, "Ride"

Once upon a time there was a ruler called "Mubarak" in the ancient land of Egypt. For a new children's park he ordered from

the laser wizards a small outdoor attraction with a water screen, lasers, video, lighting and fire effects.

Just as the material arrived in Egypt, he was driven out of the country.

Many years later, his successors recognized what fantastic, magical items they had in their stocks and asked the wizards to complete their work. It was not easy for the wizards, getting a system running with a lot of components missing and a lot of items destroyed. But finally they did it!

Now, the children of Cairo can enjoy every evening a spectacular show, above an artificial river in the heart of Cairo, based on a show called *H2O*, which shows them the natural water cycle.

INNOVATIVE APPLICATION

Second Place

G20 Summit Laser Interactive and Flag Projection Project Oracle Liquid



Glenn Turner

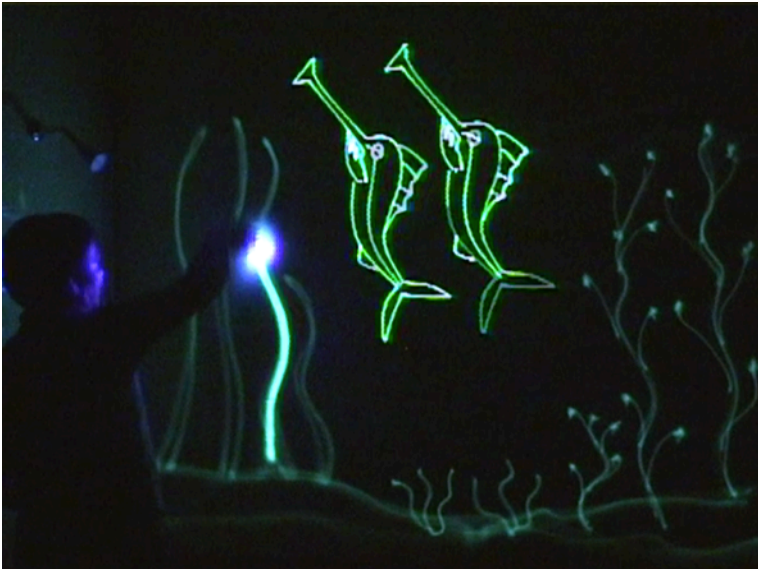
The two parts of the G20 summit lasers, the laser interactive pipes and flag projections, are described in the video narration.

Regarding safety, no one was in the building at night based on what we were told by security, though we still performed a measurement inside and the windows are so heavily tinted and reflective the measurements were under $10\text{mW}/\text{cm}^2$.

Innovative Application

First Place

Light Art in Shower Ocean
LaserLight Magic



Manick Sorcar

Music: Manick Sorcar

What happens when a painted light-art comes alive? Here, a man (artist) inside the shower stall during a sudden blackout, is stunned to see how his flashlight rays magically get “stuck” to the wall tiles. He enjoys painting an underwater scene with moving creatures such as fish, long-nose fish, jellyfish, crabs, turtles etc. until a vicious shark attacks and all run for their lives.

This innovative application cleverly combines live-painting with brushes made of laser pointer and flashlight (both 405 nm wavelength) on a phosphorescent surface with projected laser animation. Entire concept, live-art, animation and music composition by Manick Sorcar.

LASER PHOTOGRAPHY

Second Place (tie)

Sagittarius
LOBO



Photography: Reyhan Sel

Model: Philipp Wendt

Creative Director: Alex Hennig

The idea for this photo came up after one of our colleagues mentioned that he is an archery hobbyist and owns modern and historic bows. One day he brought one of his historic ones with him and we just played around with it. On this basis we developed the idea for this photo.

It was anything but easy and very straining for him, keeping the bow for a certain amount of time on tension. To ensure a safe shot (for camera and crew), he was using a very low powered pilot beam to target right above the camera. Anytime he was

sure that he reliably could hold his position, he was able to activate the beam at maximum power for a short time. For safety reasons no one was in front of him during the shot itself.

Laser Photography

Second Place (tie)

Rybnik - Wdepnij na Deptak 2014
Visual Sensation Laser Shows and Technologies



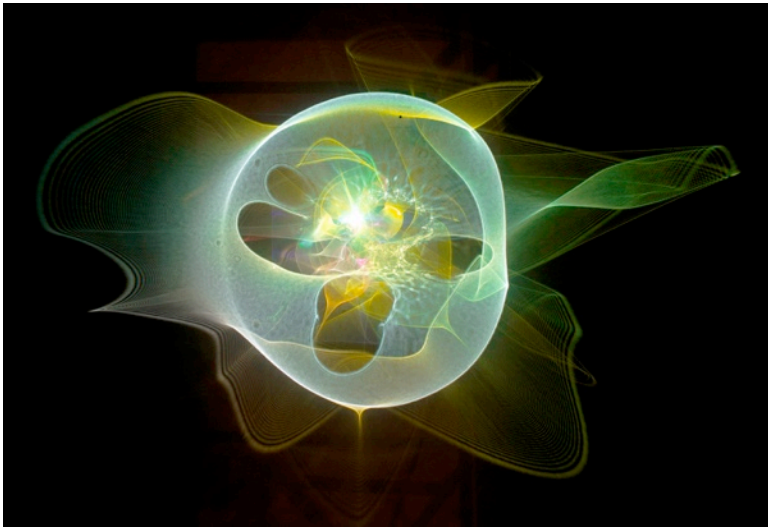
Photo: Michal Kaczmarzyk

(no description provided)

Laser Photography

First Place

Destructive Observation Field
LaserAnimation SOLLINGER



Artist: Robert Henke

Photo: Anna-Katharina Scheidegger

This photo was made during the multicolor laser installation named "Destructive Observation Field" shown at Le Fresnoy, Studio national d'arts contemporains, Lille, France.

A bright multicolor laser beam points at a black reflective sheet of plastic hanging freely from the ceiling. Most of the light is absorbed by the plate, turned into heat. A small part is reflected to a white screen on the opposite side of the room.

The heat creates deformations which lead to dynamic and complex reflection patterns. The laser beam scans over the surface of the plate in slow random movements and leaves traces of destruction. The light patterns on the projection screen make the process visible.

The same technique that creates these spatial decompositions of light also destroys them when the process is repeated too often. There is no strict separation between “writing” changes to the plate or “reading” the deformation. The observation process is destructive. Equipment: 1 PHAENON X laser projector.

LIVE “LASER JOCKEY” PERFORMANCE

Entries in the “Laser Jockey” competition were performed at the Lase-Off during the 2015 ILDA Conference in Dubai, on 10 October. Winners were selected by votes of those attending the Laser Jockey performance.

First Place

Timothy Walsh
Laser Spectacles

Second Place

Lawrence Wright
ER Productions

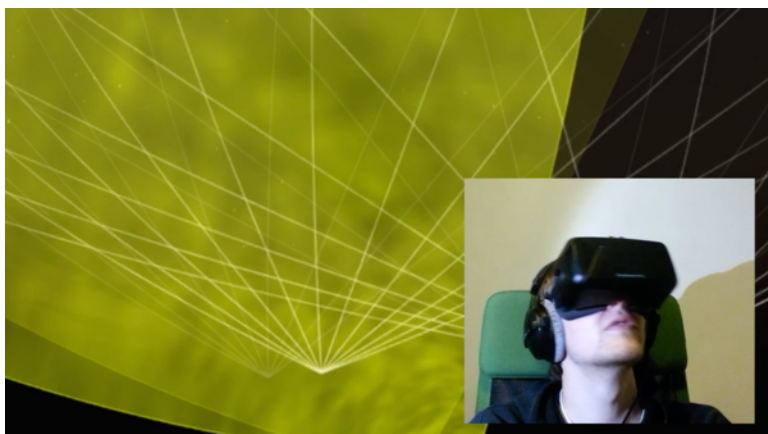
Third Place

Dr. Matthias Frank
Institute of Computer Science 4
(University of Bonn)

FENNING AWARD FOR TECHNICAL ACHIEVEMENT

Honorable Mention

Virtual Reality Laser Show Simulator (VRLSS)
Gitle Mikkelsen



Virtual Reality Laser Show Simulator (VRLSS) is a laser show simulation software (ILDA-file player) for Virtual Reality head-mounted displays, such as the Oculus Rift.

In 2013 the first Oculus Rift developer kit was released. It is a head-mounted display for virtual reality (VR), a completely new form of media. Virtual Reality have been attempted before, with lackluster results, but this time, with high pixel-density displays and super accurate motion-tracking sensors, the technology is here. The kit immediately sparked enormous interest and have currently sold over 100 000 units. Oculus, as well as other major developers such as Samsung and HTC, are planning to release the first consumer-grade VR devices later this year [2015].

VRLSS (formerly Vrilda) is the first laser show simulator that supports virtual reality viewing. Watching a simulated laser show

in VR is completely different from using a traditional monitor like we do today. Like the name virtual reality suggests, you feel like you are actually there, that the laser show and environment around you is real. The image you see is in completely natural 3D and covers almost your entire field of view. You can look around in any direction and the image follows your every movement with millisecond latency, just like in reality.

What is submitted with this entry is a beta version, it is available to the public but it still lacks some features that I would like to implement at some point, and there are still bugs present. I am a student and am working on this project for free in my spare time.

When I first tried the Oculus Rift I soon realized the potential for laser show simulation:

- People without laser projectors could experience what they are like before buying or renting one, and professionals could test their shows in a realistic way without actually rigging up projectors and testing in real-life, a time and space consuming task.
- One could create and watch shows that would not be possible in reality, such as ones with an arbitrary number of projectors with arbitrary specs, or in various simulated environments such as nature, underwater or even on the surface of the moon.
- You also wouldn't have to worry about eye safety.

It would open up lots of new possibilities.

Fenning Award for Technical Achievement

Third Place

Laser Drone KVANT Ltd.



We have developed an ultra-light laser show system that can be mounted onto a drone and the laser show can be done in the air bringing new possibilities and experiences to the audience.

We created a laser show system that is ultralight and powered from a battery. The system can be mounted onto a flying drone and thus brings another dimension to the laser show. You can do a dynamic beam show above the audience, create new laser effects like a beam from certain place in the sky to the ground or a graphic show on places which are not accessible with state-of-the-art technology. Besides that it can be used for military application too. Or you can just have a big fun with a big-boy toy.

The laser system consists of a powerful diode laser module, XY scanner set, driving electronics and motorized two-axis gimbal mount. The gimbal is fixed onto the drone and thus the laser show is directionally stable even while the drone is flying or balancing in the wind. The laser can be powered by the drone's battery or an external battery. The laser show is saved onto a

memory card and played (operated) remotely. The currently installed laser power is 2W 520nm but it is not limited to this. This power is enough high to be used outdoors.

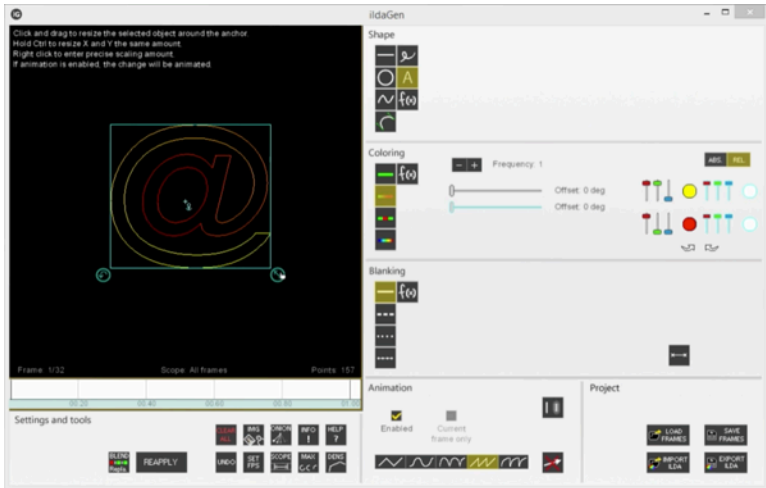
Thanks to its light weight even low load drone can be considered. The current laser system (incl. gimbal excl. battery) is 650g. The flying time depends on the drone's capacity.

[Note from ILDA: The drone at this time has no laser safety features. The technical award judges were instructed to evaluate the entry with the assumption that there could be situations where the drone can be used "as is" in a safe way; for example, on a closed movie set where all persons have eye protection. In other words, although the current lack of safety features was a consideration, judges could evaluate the drone simply for the technical feat of mounting a laser system on a flying platform.]

Fenning Award for Technical Achievement

Second Place

LasershowGen Gitle Mikkelsen



LasershowGen is a low cost ILDA file editor that is designed to be quick and easy to use for everyone.

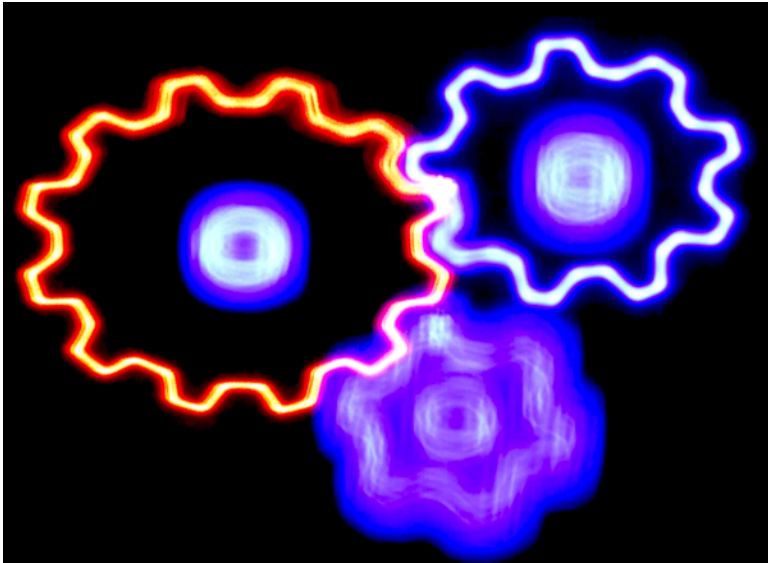
LasershowGen (formerly ildaGen) is perhaps the easiest way for beginners and pros alike to create beautiful ILDA file frames, on a tight budget. With an intuitive interface and with most tools readily available without being hidden in menus, everyone can start making and editing frames with little if any learning curve. Even so, LasershowGen is quite powerful, and can be used to make a very large variety of frames, both for beam shows and graphical shows.

Also, in addition to a Windows version, LasershowGen also has a pure web version running on HTML5. This means that anyone can use it directly in their internet browser, on any OS, without installing anything. Anyone can test the program for themselves for free (but not export anything), without purchasing.

Fenning Award for Technical Achievement

First Place

Focus
KVANT Ltd.



We have developed a laser show system that can be refocused bringing thus new effects during the laser show and new safety technology.

The newly developed laser show system allows the user to change the beam divergence and thus the beam width at a projection plane continuously. With this technology new effects in the laser show can be done for example change of a line width in a graphics show, blurring of a line, filling-in of some area, etc. The laser can be permanently refocused into certain distance (projection plane) to get an extra sharp image during the graphic show.

This technology can be used for safety application too. The user can for example define safety zones where the beam must be

more divergent (for example because some people may enter that zone), or the user may use the same laser system for outdoor and indoor shows where indoor show is done with high divergent beams in order to reduce the laser power density but still using the same laser power.

For laser beam divergence adjustment an electronics lens is used. The lens consists of a polymer that changes its shape by applying voltage. A set of glass lenses is combined together with the electronics lens order to create a telescope with magnification 1:1 while there is no voltage on the electronics lens. After the voltage is applied, the electronics lens changes its shape, thus its focal length is changed and as a result the beam is refocused.

2015 ILDA CAREER ACHIEVEMENT AWARD

Dirk Baur
MediaLas



For 2015, ILDA's highest honor goes to Dirk Baur of MediaLas.

German laserist Dirk Baur started his career in 1989. From the beginning, he was into development of laser peripherals, drivers and power supplies. Very soon, the first galvo scanning systems came out of the workshop of his small company, which soon led to the legendary CATWEAZLE scanners.

In 1996, Dirk became an ILDA Member with his former company, es-Lasersystems. In 1997 he founded MediaLas GmbH, and went further in developing hardware and software for laser entertainment purposes, such as LaserPainter software, super-fast MicroAmp CTi drivers, and many more. In 1999, MediaLas worked and invented the VST Video Sequence Tracing software,

which became very famous, and received an ILDA Award at the 1999 ILDA Conference in Orlando. Dirk sold extended rights for VST to Pangolin, and VST soon became part of the Pangolin software system. In 2004, the top selling laser software "Mamba" saw the light of the day, which has now been sold several thousand times all over the world.

At Frankfurt's ProLight & Sound in 2001, MediaLas demonstrated the very first air-cooled "non-gas" RGB projector, along with the first "true 80k galvo system" with digital X-Drive driver system. In the coming years, MediaLas received several more technical and artistic awards for innovations such as the automated RGB color alignment tool of the Infinity show laser projector systems.

Dirk owns several patents and trademarks, and has expanded his company to the industrial laser sector.

Dirk was an ILDA board member from 1998 to 2000, and from 2005 to 2009. Between 2005 and 2007, he also served as ILDA President. In the year 2000, MediaLas joined forces with LOBO, to jointly host the 2000 ILDA Conference in Stuttgart.

2015 ILDA CONFERENCE

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