

# 2014 ILDA AWARDS

A silhouette of a person in a tuxedo is shown from the waist up, reaching their right hand towards a bright, glowing light source. The person's head is tilted back, and their mouth is slightly open. The background is a deep blue with a large, textured, glowing sphere that resembles a planet or a sun. A bright, horizontal light streak cuts across the right side of the image. The overall mood is aspirational and celebratory.

Presented November 19 in Las Vegas  
at the 2014 ILDA Conference, hosted by LaserNet



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**Cover photo:** *Don't Let Go*, Martin Gabco, KVANT Ltd.  
(rotated sideways to fit vertical format)  
Second 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

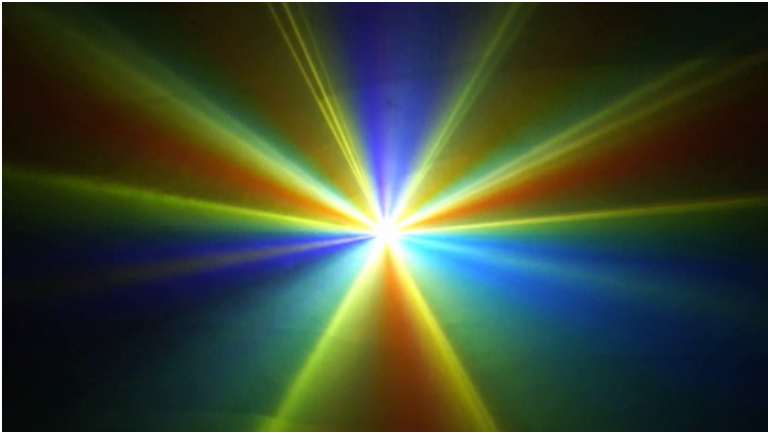
In addition to Award entrant statements, ILDA reviews every entry for any potential safety issues. **ILDA has the right to remove or disqualify an entry if, in our opinion, the show violates or appears to violate safety standards, laws and/or regulations.**

In 2014, ten out of the 175 entries had potential safety issues. ILDA wrote to the entrants, asking them to address these concerns. Seven of these 10 gave satisfactory answers which appeared to be supported by the video; for example, that a performer had their eyes closed when the laser was in use. Three entrants did not provide satisfactory responses, so their entries were removed from judging.

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

### **Third Place**

*Dreamlight*  
Tobias Gebuhr



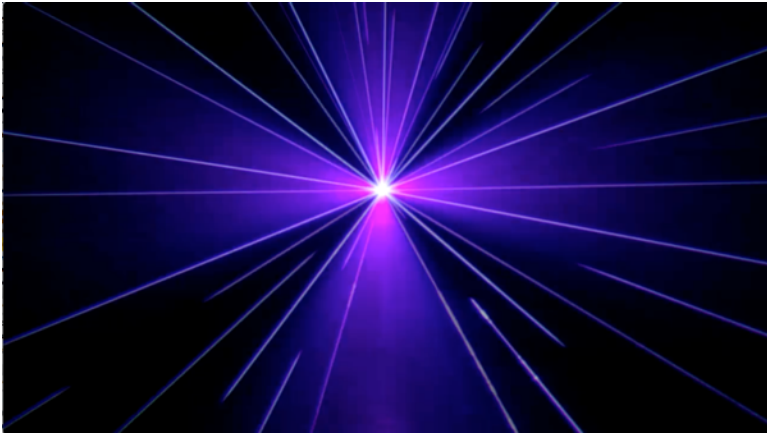
*Design and artwork: Tobias Gebuhr*  
*Music: Leona Lewis, "Run"*

The idea behind this show was to create a single scanner show with just simple basic frames. All more complex effects or discolorations are just created by manipulation via Beyond software features.

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

**Second Place**

*Blue*  
Felyx Kain



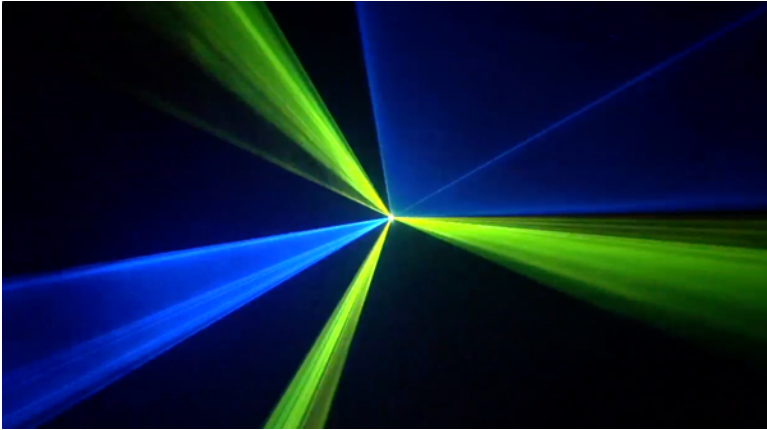
*Felyx Kain*  
*Music: Au5 & Fractal, "Blue"*

My goal was to make an interesting show using only a single laser and Moncha software.

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

**First Place**

*Exorcist*  
LOBO



*Show designer: Phillipp Wendt*

*Creative director: Alex Hennig*

*Music: Neilien, "Tomahawk"*

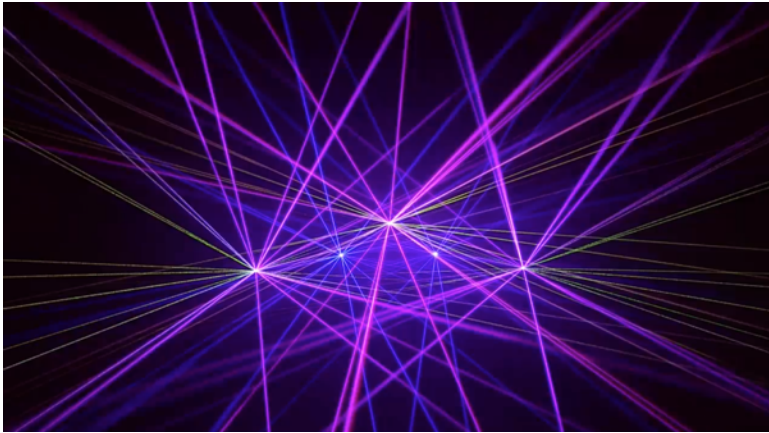
Believe it or not: This show is a debut production of a young student. It has been the first time for him producing an atmospheric beam show, not influenced by others.

Its radical and precise simplicity sometimes leaves you spell-bound, as not the show seems to interpret the music, but as it seems that lasers generate the sound. Chapeau!

## **BEAMS/ATMOSPHERICS SHOW FOR MULTIPLE SCANNER PROJECTORS**

### **Honorable Mention**

*Rush Hour*  
MediaLas GmbH



*Idea: Dirk Baur*  
*Artist: Moritz Seiter*  
*Filmed at the MediaLas studios.*  
*Music: Woodkit, "Run Boy Run"*

Originally written as a technical demo show for M-III laser software, out of the regular shows, to demonstrate the high speed multi scanner network capabilities. The demo was done with 15 projectors, all set up in one network, plus 8 RoboLas moving head mirrors, controlled via M-III DMX. There were no extra interfaces needed, since all projectors link directly to LAN. The final purpose is a product video for MediaLas LAN projectors.

Beams/Atmospherics Show for Multiple Scanner Projectors

**Third Place**

*Arrived in Flames*  
Dynamic Lasers



*Gabe Letourneau*

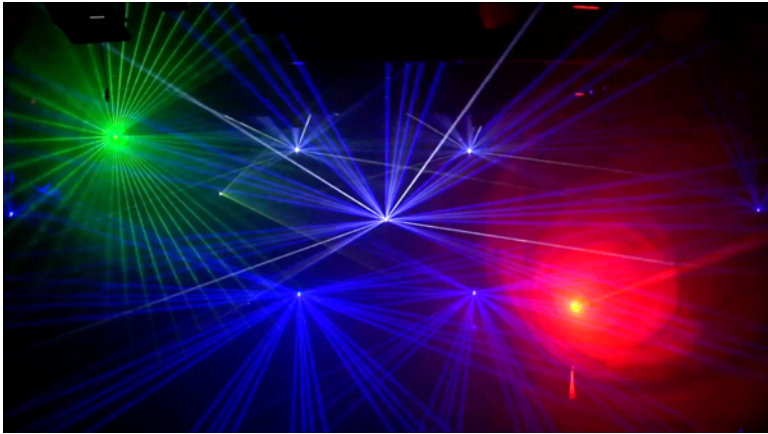
*Music: Irving Victoria, "The Arrival"; Empire Syndicate, "In Flames Redux"*

This show was made to be the start of an event, or to introduce a CEO for a corporate event. Thus its kept short and is intentionally over powering as to accentuate the happening of something. The second half show stems off of a few original ideas that needed a home in a show. The theme for the show is a person reaching their breaking point. Starting by holding themselves back, and staying passive. Until they internally break-down and they finally lose it. However reaching peace with themselves by the end.

Beams/Atmospherics Show for Multiple Scanner Projectors

**Second Place**

*Inferno*  
LOBO



*Show designer: Phillipp Becker*

*Creative director: Alex Hennig*

*Music: Nightwish, "Storytime"*

This show was produced as the finale for a sci-fi multimedia show, also covering critical aspects of our networked world. As such, it starts with searchlight effects from all directions, creating an oppressive atmosphere. You feel observed like in a prison yard.

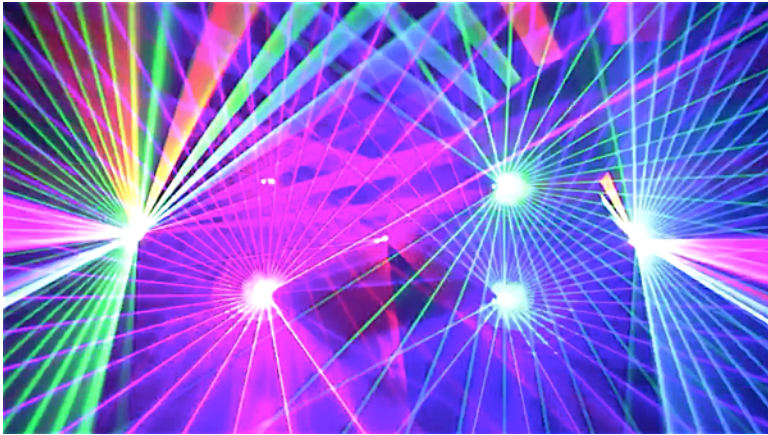
Throughout the show different effects repeatedly allude to this emotional scheme, interrupted by massive parallel arrangements all across a total of 18 laser projectors.



Beams/Atmospherics Show for Multiple Scanner Projectors

**First Place**

*Mind Games*  
Dynamic Lasers



*Gabe Letourneau*  
*Music: Savant, "Survive"*

There is time for one projector, and there is time for seven but if they are going to be there, they must not be wasted. Seldom will you find opposite side projectors doing the exact same thing in this show.

The name for this show comes from my own personal problems while working on this show. Questioning myself and doubting and modifying each effect. Until deadlines were my deciding factors.

## GRAPHICS SHOW

### Honorable Mention

*Alice in Wonderland*  
Lasermaster LLC



*Programmer: Dmitry Leykin*

*Animation: Vadim Delnov, Kirill Boychenko*

*Producer and concept: Alkesey Shishkov*

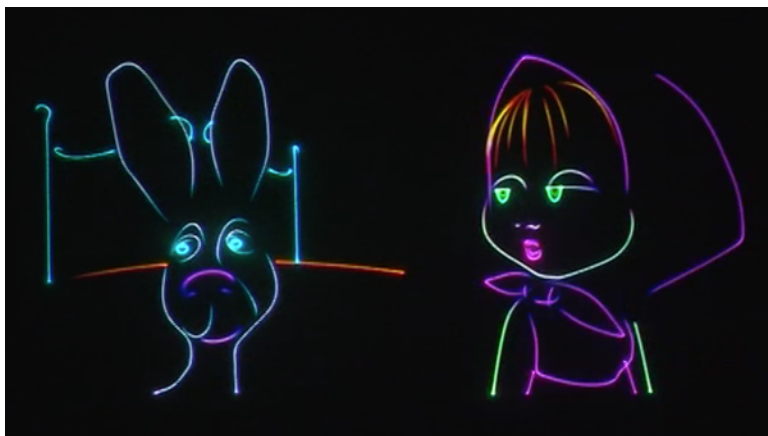
*Music: Danny Elfman, "Alice's Theme" from Alice In Wonderland*

This is our laser interpretation of the famous fairy tale "Alice in Wonderland" by Lewis Carroll. The central idea of this show is the ILDA 2014 contest.

Graphics Show

**Third Place**

*The Fairy Adventures*  
Orion-Art Multimedia



*Art director: Alexey Panin*

*Graphics: Kirill Nikitochkin*

*Music: V. Bogatirev, "Masha and The Bear" soundtrack*

The show was created as a part of children's performance based on the popular cartoon series. A little girl does not want to go asleep, and by magic her bed turns into a carriage, so she got the chance to go on a journey with her friends. The goal is to reach the Big City and visit the circus.

Graphics Show

**Second Place**

*U Make the Difference!*  
LOBO



*Cel animation: Bella White, Christina Fink; Digitizing: Beate Schaefer, Melanie Kaufman, Stephan Wellmann, Jana Hinz; Animation: Iris Schua; 3D animator: Peter Wild; Creative director: Alex Hennig; Music: Rachel Portman, "The Cider House Rules"; Two Steps from Hell, "Heart of Courage"; Sound Design, "M/O Vison"*

This is the result of a astonishing story. This project started years ago and was temporarily finished as a nature show. But originally it was intended to be developed to an eco show. Thousands of cell animations have already been drawn and digitized and waited to be completed to a show.

Years later, a foreign correspondent (Christina) teamed up with a student (Jana) to complete the show during absence of the company's Creative Director. Two people, who were never involved in laser animations of any kind, left him spellbound after his return.

Not only did they complete the whole show, they re-arranged the show in three main blocks: Nature as it always has been, the negative influence of mankind and the impact anybody could

have to solve the planet's problems. They also established a completely new, ingenious and also funny plot with a little mouse serving as a visual metaphor to show that even the smallest step in the right direction counts.

In the meantime, the former foreign correspondent became a member of our creative team and thinks about studying media arts.

In total, almost 4,000 single animation frames have been drawn, digitized and colorized for this rich and opulent show.

Graphics Show

## First Place

*Crack of Doom*  
Orion-Art Multimedia



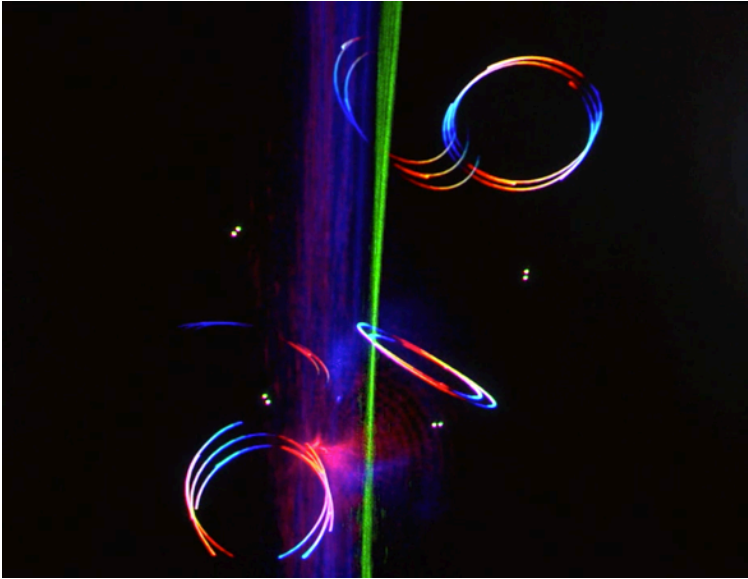
*Art director: Alexey Panin; Graphics: Max Ischek*  
*Music: The Tiger Lillies 'Crack of Doom'*

The show was inspired by the music and scenic image of “The Tiger Lillies.”

## ABSTRACT SHOW

### Third Place

*Geronimo*  
Christopher Short



*Music: The Knocks and Fred Falke, "Geronimo"*

On the rolling sand dunes of the Southwest desert, a young Native American man lays out his hoops and dances. Hoop dancing is a traditional story telling ritual. The hoops are woven into animal shapes during the dance and the hoop itself represents the circle of life, the seasons, night and day.

The dancer is Nakotah LaRance (Hopi/Tewa/Assinboin). Nakotah is a 6-time World Hoop Dance Champion who recently toured on the Cirque Du Soleil "Totem" show. The dance video

segments were shot at White Sands National Monument near Las Cruces NM.

The video sequences were edited in Final Cut, exported into discrete frame sequences, hand edited, and then converted to ILDA animations.

The abstracts in the show are inspired by the hoop dance and are mostly circles and patterns of circles. The motions and shapes are reflections of Nakotah's style and energy.

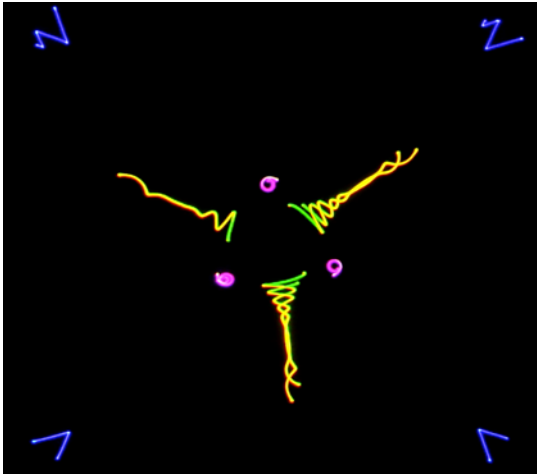
This show was made for an event celebrating SWAIA (Southwestern Association for Indian Arts) and the Santa Fe Indian Market.

*[Note: ILDA removed graphics from the start and end so that this piece concentrates on abstracts. This is why the music may seem to abruptly start and end -- the original piece had smooth music flow.]*

Abstract Show

Second Place

*Cotton Eye Joe*  
Christopher Short



*Music: Rednex, "Cotton Eye Joe"*

I call this my "angry galvo" show. It's a big dizzy abstract show to ridiculous music. Swedish techno rock-a-billy. 10 out of 10 for making me laugh the first time I heard it and every time since then.

I wanted something hyperkinetic and engaging. Something to give my eyes the same pounding as my ears. Flickering lights and 3D spaces. Disorienting twists and shapes and melting lights. Some effects were inspired by 70's mood organs.

Move your butt. Get up and dance, but keep on eye on your girl. Cotton Eye Joe may steal her away.

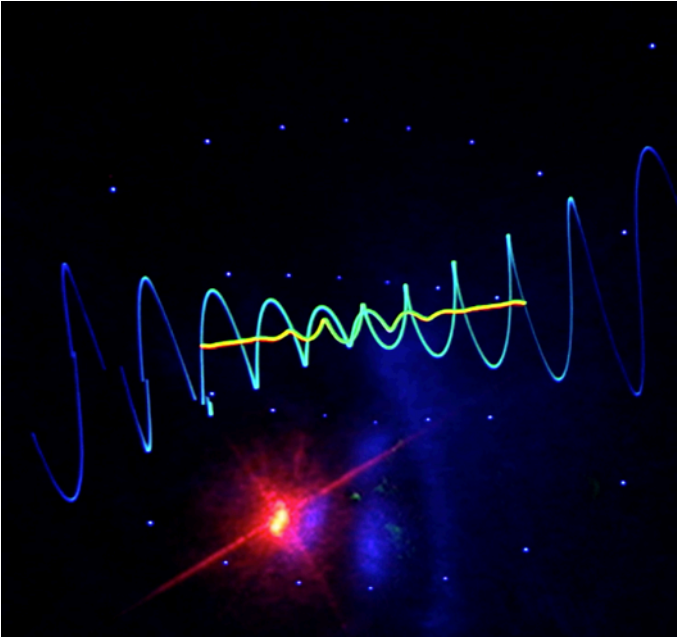
These are primarily lissajous-based abstracts that have been cloned on the Z-axis and hit hard with color modulation and rotational effects.



Abstract Show

**First Place**

*Monkeyhands Strange 11*  
Christopher Short



*Music: Mark Neil, "11 strANGE Ls"*

Explorations of a dimension of abstracts. Blue flames, flowers shaped by lines of flux, and giant engines powered by the drums of colliding planets.

This was an exercise in building immersive atmospheric effects. An environment of light with unknown scale and laws. Are these giant machines, or blood cells?

Layered lissajous shapes and patterns inspired from spending time on an analog console.

## BEAMS AND SCREEN SHOW

### Third Place

*Baar-Openair*  
Lightline Lasertechnik GmbH



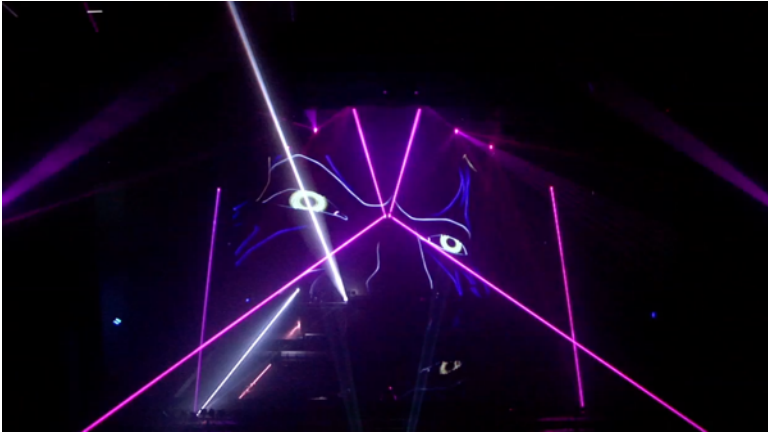
*Music: "Glory No Longer" soundtrack*

Open-air show in Switzerland for a laser manufacturer.

Beams and Screen Show

## Second Place

### *Vicious Rage* LOBO



*Atmospherics: Roman Schütz*

*Graphics: Christina Fink, Andreas Fritz*

*Special F/X: Phillipp Becker*

*Adaptation: Reyhan Sel*

*Creative director: Alex Hennig*

*Music: Nightwish, "The Poet and the Pendulum"*

When the industry's most-awarded designer for atmospherics claims that this production is his masterpiece and if anyone is just stunned, as this show just blows away your mind, we probably might have created something very special.

In a world, where we believed having seen anything about atmospherics and projections, this show teaches us a lesson that there is always room for effects, never seen before.

Beams and Screen Show

**First Place**

*The Space Scout Journey*  
Orion-Art Multimedia



*Art director: Alexey Panin*

*Graphics: Kirill Nikitochkin*

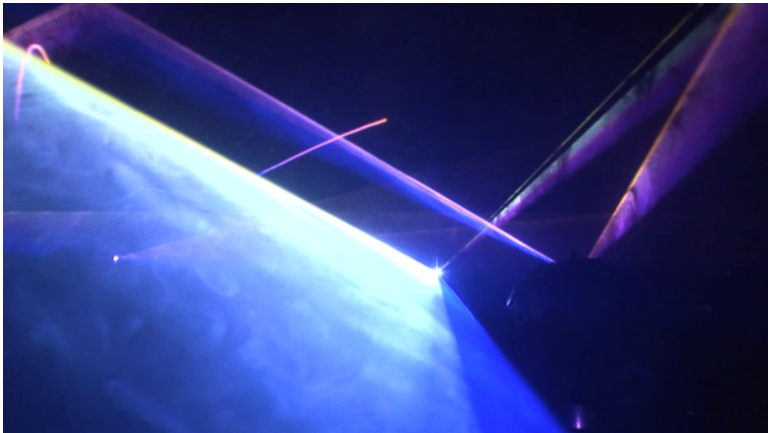
*Music: The Police & Henry Mancini, "Every Breath You Take";  
The John Barry Orchestra, "On Her Majesty's Secret Service"*

This humorous show was made for the satellite monitoring company corporate party. The chief executive appears as a space scout beholding the main events and persons on the Earth from his spaceship. But after some time he discovers that somebody from the universe beholds him.

## PLANETARIUM SHOW

### Third Place

*Tabaluga und die Zeichen der Zeit*  
Planetarium Hamburg



*Mirko Kloweit*

*Music: Peter Maffay, "Alles im Leben hat seine Zeit"*

The lasershow is part of the big finale of our multimedia show "Tabaluga und die Zeichen der Zeit".

In this show the lasers were not allowed to play the leading part all of the time. Instead the laser should be in line with the projected video at the dome and enhance it.

Planetarium Show

**Second Place**

*Lichtmond Relasered*  
Planetarium Hamburg



*Mirko Kloweit*

*Music: Lichtmond, "Relasered"*

The show is a part of our new multimedia show "Lichtmond Deluxe." The show was designed in cooperation with the musical artist Lichtmond. Lichtmond had already a lasershow in mind when they created this song.

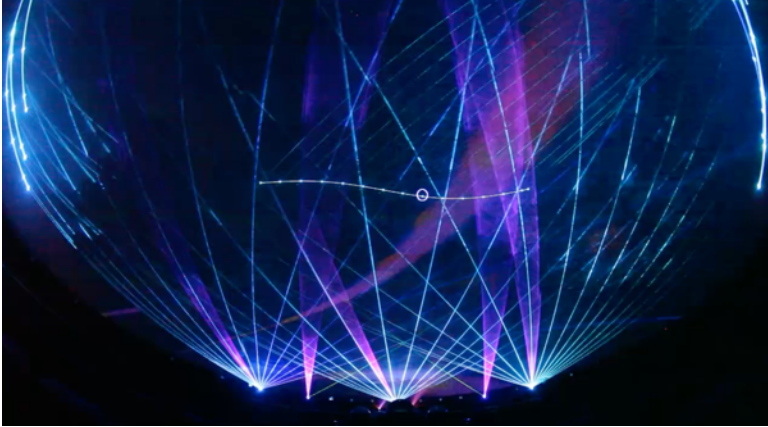
Because of the extraordinary length of the song and because we already have lasers as a part of the multimedia show before the "Relasered" song the show starts smoothly using only a few of our projectors and playing a lot with classical lights and fog. From there the light- and laser-action is steeply rising using the whole potential of our equipment.

From the beginning of the project the show as well as the song were created having an alternation between fast parts, with a lot of laser-action and "chillout-breaks" with mellow laser parts in mind.

Planetarium Show

**First Place**

*Dark Side of the Moon*  
Copernicus Science Center  
(Heavens of Copernicus Planetarium)



*Concept: Michal Krauze-Wultanski, Jan Scheiner*  
*Programmer: Michal Krauze-Wultanski*  
*Music: Pink Floyd, "Dark Side of the Moon" (full album)*

This piece was done to accompany the classic planetarium video-show by Starlight Productions. Along with the lasers, we also used star projection and dome's cove lights for the show.

## NIGHTCLUB/DISCO/MUSIC FESTIVAL SHOW

### Honorable Mention

*Ghostland Observatory at Winter on the Rocks*  
Lightwave International



*Laser programming: Mike Dunn*

*Laser technicians: Neal Nance, Dave Fonner*

*Music: Various songs by Ghostland Observatory*

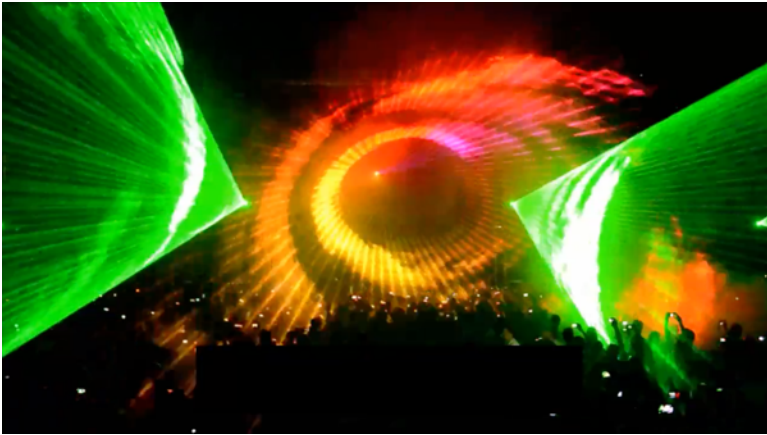
The band's return for a special performance at the Winter on the Rocks concert was cause to pull out all the stops on the lasers for their iconic light show. Even a blizzard couldn't stop the outdoor show from going on!



Nightclub/Disco/Music Festival Show

**Honorable Mention**

*Electric Music Festival 2013*  
Visual Sensation Laser Shows & Technologies



*Jarosław Nadolny*

*Music: Position Music, "Mythical Hero (alt piano)"; Marc Petrie, "Richat"*

*(No description provided)*

Nightclub/Disco/Music Festival Show

**Third Place**

*Ping Pong*  
Dynamic Lasers



*Shane Martz*

*Music: Armin Van Buuren, "Ping Pong (Hardwell's Ultra Music Festival remix)"*

On a plane to start the tour we decided something special had to be done for this. I started this 40,000 feet in the air. Playback had to be perfectly timed live as this plays from start to finish without interruptions or adjustments.

Nightclub/Disco/Music Festival Show

**Second Place**

*Sun City Music Festival*  
Laser Spectacles, Inc.



*Laserists: Tim Walsh, James Scott*

*Music: Various festival DJs*

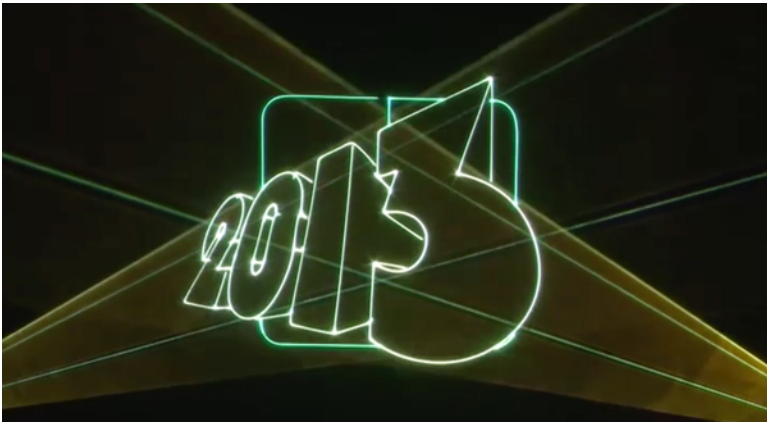
The festival added lasers to their third stage to attract an audience - it was farther away to one side. It worked - the beams could be seen from quite a distance! We were trying to match the energy of the various DJs playing on this stage with the lasers, all under live control.

**(no First Place awarded)**

## CORPORATE SHOW

### Third Place

*The Siemens History*  
Orion-Art Multimedia



*Art director: Alexey Panin*

*Graphics: Kirill Nikitochkin*

*Music: Two Steps From Hell, "Flameheart"*

The show was created for the corporate party of Siemens company and presents the history of success.

Corporate Show

**Second Place**

*New Year in LG World*  
Orion-Art Multimedia



*Art director: Alexey Panin*

*Graphics: Max Ischek*

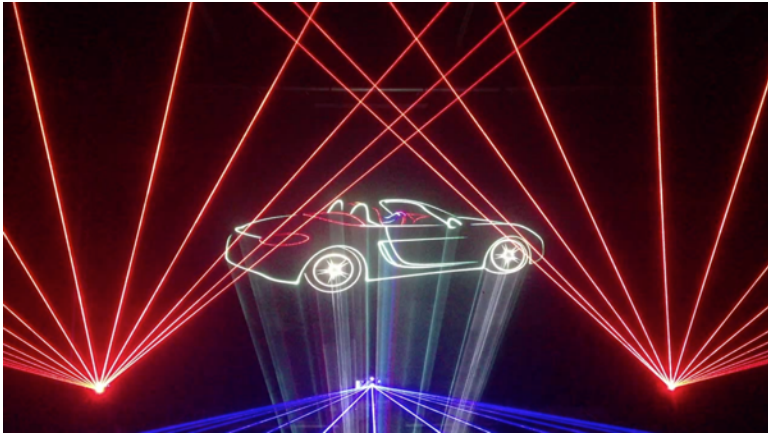
*Music: Alan Silvestri, "Suite from The Polar Express"; Two Steps From Hell music library.*

The show was created for the New Year party of LG company. In one part, the newest LG products are presented, and in another the chief executive is calling to Santa to invite him.

Corporate Show

**First Place**

*Porsche*  
Lightline Lasertechnik GmbH



*Music: Soundtrack to “Glory No Longer”*

This was made for the opening of a new Porsche center in Osnabrueck, Germany.

## LIVE STAGE SHOW

### Third Place

*Biffy Clyro*  
ER Productions



*Laser designer and operator: Ryan Hagan*  
*Music: Biffy Clyro*

40 LASE-ARRAY were rigged on the upstage truss with the focus on the downstage edge. The design was specific in supplying the pit TV cameras with band shots surrounded by 400 beams of light. The show's video director also used the tour's cameras to pick up these shots, which were used on the 20mt screen upstage.

Speed is of the essence on overnight load-ins so to make our technician's lives a little easier, 40 precisely-cut boom arms were used to hang the array at exactly the right angle. The only focus needed was the horizontal.

Six 21W RGG B OP SL systems were used along with two GOLD SLP systems. All had the internal DMX fx which covered the audience in safe laser exposure.

Live Stage Show

**Second Place**

*Shakira Live at Bryant Park NYC*  
Lightwave International



*Laser programming and performance: Mike Dunn*

*Laser technicians: George Dodworth, Richard Gonsalves, Mark Nath, Laurann Tichnel*

*Music: Various songs by Shakira*

International pop star Shakira gave a surprise live concert in New York City's Bryant Park. Everything for the show came together very quickly with no time for rehearsals or advance programming.



Live Stage Show

**First Place**

*Prolight & Sound 2014*  
KVANT Ltd



*Laser programmer: Martin Gabco*

*Choreographer: Milan Keres*

*Dancers: Jumbo Dance Studio*

*Music: Nero, "Etude"; Smoke City, "Underwater Love"; Knife Party, "Destroy Them With Lasers"*

This piece was created as own presentation at the one of the biggest exhibitions of its kind in Europe. Our goal was to demonstrate a new way of using lasers with dance performance.

## LIVE TV SHOW

### Third Place

*Totenhosen*  
Lightline Lasertechnik GmbH



*Music: Toten Hosen, "Altes Fieber"*

Performed in a live TV show. Lasers dimmed down to a safe value and the artists had a special instruction.

Live TV Show

## Second Place

### *America's Got Talent* Image Engineering



*Designer and operator: Owen Murphy*

*Operator: Joseph Suehle*

*Music: Mokhov, "Perfect Tomorrow"*

*America's Got Talent* is NBC's reality TV darling that plays to over 10 million viewers each week during the summer season. Now into its eighth season, our team created custom looks on site with three to seven lasers that are distinctly different from each other and show the versatility of atmospheric lasers. The beams are used to extend the stage backdrop, as a dance partner, and doing traditional choreography.

As with any live TV laser show, special attention was paid to eliminating strobing on the camera and the configurations had to be rolled on and zoned during a 2-minute commercial break. One of the most complex set ups, for the 2013 winner Kenichi Ebina, used over 20 zones and multiple mirror bounces that had to be set during the commercial break.

Live TV Show

**First Place**

*Royal Variety Performance*  
ER Productions



*Laser designer and programmer: Marc Webber*  
*Music: Jessie J, "Thunder"*

The concept was to use traditional lasers low down to work with the video content creating cloudy laser effects and truss mounted gratings to give a thundery feel. Four TRIPAN comno's were used with one 21W whitelight.

## EDITED FILM/TV/VIDEO

### Third Place

*Oblivion*  
Lightwave International



*Laser programming: Mike Dunn*

The Tom Cruise sci-fi epic uses practical lasers to create robot drones' scanning and targeting effects. Laser projectors were mounted to cranes and maneuvered at all angles to match the motions of the drones added later in post-production.

Edited Film/TV/Video

**Second Place**

*Pitbull - Dr Pepper*  
LaserNet



*Javier Ramirez*  
*Music: Pitbull*

Two 25 watt RGB lasers were used to create a nightclub setting.

Edited Film/TV/Video

**First Place**

*Thomas Puskailer*  
KVANT Ltd



*Director: Richard Raiman*

*Cameraman: Stefan Lelovic*

*Laser programmer: Martin Gabco*

*Dancers: CreDance*

*Music: Thomas Puskailer, "Don't Let Go"*

Singer Thomas Puskailer presents a new video for the dance single "Don't Let Go." The main focus of the video clip are 22 KVANT laser systems. The clip was shot directly in the KVANT headquarters.

## LASER SHOW (INCLUDING MULTIMEDIA)

### Honorable Mention

*Fuel and Energy Sector*  
Lasermaster LLC



*Video and laser operators: Denis Vorob'ev & Aleksey Mikhaylov & Yury Simanov & Dmitriy Dolgov*

*Producer and concept: Aleksey Shishkov*

*Music: John Williams, "Dance of the Witches" from The Witches of Eastwick"; Thomas Bergersen/Two Steps from Hell "Archangel"*

Welcome greeting for employees of "GUP TEK" company. The main idea of this multimedia project is a video installation structure of power systems. And in the final scene the conductor controls the Universe and its stars from which appears the 70th anniversary logo. Real Philharmonic Orchestra with conductor Timur Gorkovenko was involved in this show.



Laser Show (including Multimedia)

**Third Place**

*The Siberian Alfa Bank Show*  
Orion-Art Multimedia



*Lasershow and video design: Alexey Panin*

*Producer and technical director: Taras Viter*

*Customer: Alfa Bank*

*Music: John Powell, "How to Train Your Dragon" soundtrack;*

*X-ray Dog library*

The show for city festival describes the history of the city. And the main sponsor is not forgotten.

Laser Show (including Multimedia)

## Second Place

*New Year's Eve 2013 - Rome*  
KVANT Ltd



*Creative director: Diego Labonia - Luci Ombre*

*Laser programmer: Martin Gabco*

*Laser technician: Maros Starosta*

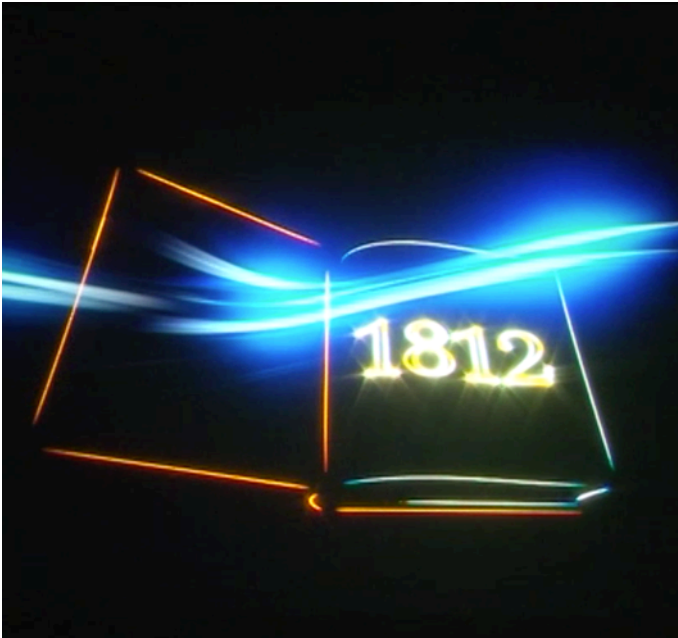
*Music: Andrew Bayer , "Detuned"*

On New Year's Eve in Rome, Italy we made very special laser scenes with use of several 20W KVANT Laser Spectrums and one strong 35W KVANT Laser Spectrum.

Laser Show (including Multimedia)

**First Place**

*The Chapters of Glorious History*  
Orion-Art Multimedia



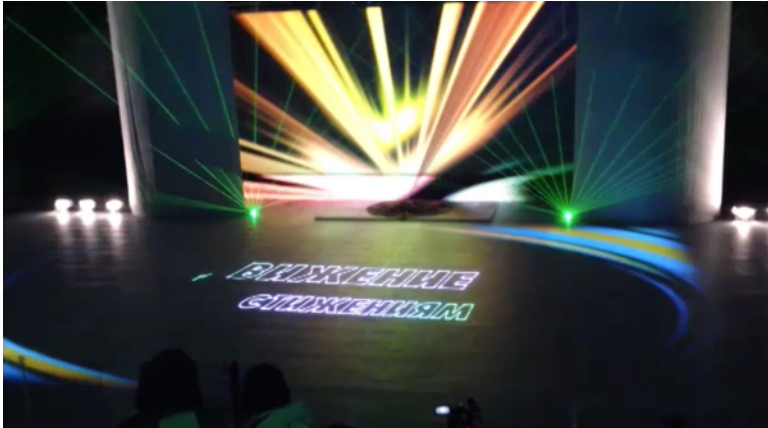
*Lasershow and video design: Alexey Panin, Kirill Nikitochkin*  
*Music: P. Tchaikovsky, "1812 Overture"*

It is one part of the historic show devoted to the main events of XIX century.

## MULTIMEDIA SHOW (INCLUDING LASER)

### Third Place

*The BankOlympic Games*  
Orion-Art Multimedia



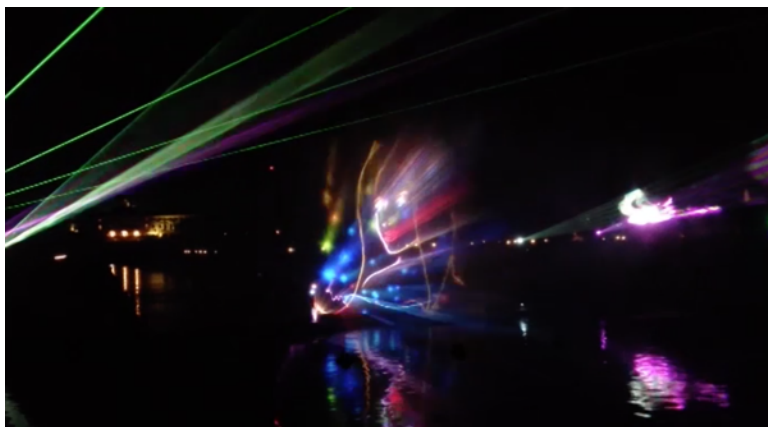
*Music: X-ray Dog music library*

This is the introduction show for the Olympic games of bank employers.

Multimedia Show (including Laser)

**Second Place**

*The Love Butterfly*  
Orion-Art Multimedia



*Lasershow and video design: Alexey Panin*

*Producer: Alexander Timofeyev*

*Technical director: Taras Viter*

*Event director: Yuri Antizerski.*

*Music: X-ray Dog music library*

The show was made for the wedding party. The love feelings are presented as a butterfly, flying from boy to girl around the world.

Multimedia Show (including Laser)

**First Place**

*Vltava Lives*  
KVANT Ltd



*Creative director: Rudo Stritecky - Art4Promotion*

*Video: Lukas Kapinus*

*Laser: Martin Gabco*

*Acrobats: Vertigo*

*Firework: Tomas Petrs - Flame In Stars*

*Music: Magic Of Love; York, "Injection"; United We Stand, "Divided We Fall"*

The 45-minute multimedia show, Water World was created for the Vltava river festival in Czech Republic. The show was performed in four cities during the last summer. More than 20,000 people have seen the show.

## INNOVATIVE APPLICATION

### Third Place

*Unipol*  
ER Productions



*Laser designer: Marc Webber*

*Installation technicians: Lawrence Wright & Damien Gardener*

This was a corporate event where there were 50 podium/lecterns. Each podium had an iPad explaining the different features of the new building. The podiums were spread across three floors of the new building and were linked with fifty 1W blue diodes, the path between each podium was across hallways, rooms, over balcony's and up stairs; mirrors were used to get around. The diodes had to be battery-operated as it was impossible to run power to the podium locations. Each podium had to run for over 8 hours.

Innovative Application

**Second Place**

*LAARIS - Laser Atmospheric  
Augmented Reality Interactive System*  
Laserman Theo Dari



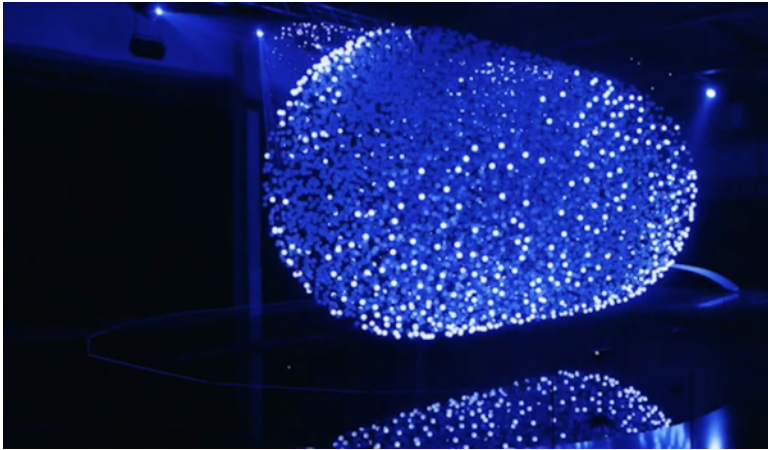
Inspired by the reactions of Laserman audiences, LAARIS is a set of games and educative applications made for everybody to play with laser shapes as if they were solid.



Innovative Application

**First Place**

*FLUIDIC - Sculpture In Motion*  
LaserAnimation SOLLINGER



*Creation and production: WHITEvoid Interactive and Art Design*  
*WWW programming: Joreg Diessl, Sebastian Gregor*  
*Idea and realisation of laser projection: Michael Sollinger*  
*Music: Sounddesign: Daniel Teige, Marian Mentrup*

Nature is to be seen as a source of inspiration, including the dynamics of ebb and flow of life. A seemingly floating point cloud above a water pond, consisting of 12,000 translucent spheres hung on about 4,100 strings. Due to a complex computer algorithm the spheres are arranged seemingly randomly within the cloud. At the same time the algorithm observes the positions and projection angles of eight BLIZZARD high-power laser projectors each with integrated Lasergraph DSP controller. They send out beams exactly targeting spheres within the cloud only. Emerging lines and shapes finally form graphical compositions without any sweet or blind spots. Kinect cameras pick up movements from the visitors and transform them into alteration of sound and laser projection.

## LASER PHOTOGRAPHY

### Honorable Mention

*Dragon Encounter*  
LOBO



*Performer: Philipp Wendt*  
*Laser graphics and idea: Christina Fink*  
*Laser operator: Reyhan Sel*  
*Photography: Philipp Becker*  
*Creative director: Alex Hennig*

The idea for this photo came in one of the evenings, when sitting together for a barbecue. Philipp told us that he collects medieval items and owns a suit of armor. This brought Christina to the idea to do a small photo shooting with him in front of a raging laser dragon.

Laser Photography

**Third Place**

*Warrior of Light*  
LOBO



*Performer: Philipp Becker*

*Light: Dennis Bopp*

*Fog and laser operator: Reyhan Sel*

*Lasers: Jochen Schmid*

*Photography and creative director: Alex Hennig*

Alluding to Paulo Coelho's famous Book "Manual of the Warrior of Light", we created this photo by using a sword of pure laser light.

Inspired by the art of light paintings, this photo was made with a 6s exposure time, starting with drawing the actual laser shape in mid-air by a single, color-changing laser beam, followed by a short flash of blueish whitelight to make the performer visible. Subtle brightness modulations of the color-changing laser beam supports the three-dimensional look of the photo.

Some technical challenges of this photo are not visible at first sight. It was crucial to the look of the photo, not only to create a harmonious light sculpture with a single, continuous swipe, but also to keep fog off the area between the camera and the face, as otherwise the face would have vanished completely behind the bright light sculpture.

Laser Photography

**Second Place**

*Don't Let Go*  
KVANT Ltd



*Photographer: Martin Gabco*

The photo was taken during the video clip shooting for singer Thomas Puskiller.

Laser Photography

**First Place**

*Rome*  
KVANT Ltd



*Photographer: Martin Gabco*

New Year's Eve 2013 in Rome.

## **LIVE “LASER JOCKEY” PERFORMANCE**

Entries in the “Laser Jockey” competition were performed at the Lase-Off during the 2014 ILDA Conference, on November 18. Winners were selected by votes of those attending the Laser Jockey performance.

### **Third Place**

Nicolas Squire  
LaserTech Canada

### **Second Place**

Derek Garbos  
LaserTech Canada

### **First Place**

Tim Walsh  
Laser Spectacles, Inc.

## FENNING AWARD FOR TECHNICAL ACHIEVEMENT

### Honorable Mention

*StageFeed ISP and StageMate ISP*  
DexLogic, Dirk Apitz

Pocket-size converters that replace the ILDA ISP-DB25 and ISP-DMX cables through standard Ethernet components and Internet Protocol (IP) topology to benefit from isolation, lossless range extension, existing network installations and bandwidth/throughput.

No more bulky cables, loss of analog signal quality, or fear of broken wires in long multi-wire cables. All existing ISP outputs can be converted to datastreams and be sent across Ethernet using standard IP packets. PC built-in DAC boards, USB adapters, ADAT or even the output of modified vector games -- and this without any expensive or proprietary infrastructure -- and (with some care for packet loss) even across wireless links.

Detailed information is provided in the operating manuals for StageFeed ISP and StageMate ISP and can be found at [www.DexLogic.com](http://www.DexLogic.com).



Fenning Award for Technical Achievement

**Third Place**

*Laser Ski Jumping Tracker*  
MediaLas Electronics GmbH



A fully automated laser projection system, to display the ski jumper's "best-to-beat" mark during jumping and landing directly on the landing slope.

For years, the international Ski Jumping Federation FIS showed a so-called "virtual to-beat-line" on TV during ski jumping competition. This virtual line could only be seen at the main camera perspective, and only on TV, since it was only virtually added to the video stream. The jumpers and the audience at the stadiums did not see anything.

Walter Hofer, the race director of FIS, wanted to deliver a real time live view system, to display the best-to-beat line directly on the jumping hill. During the summer of 2013, MediaLas and Swiss Timing did extensive tests for visibility and feasibility. The detailed development started at Sept 2013, by producing a powerful projector, which needs to withstand temperatures of -20 deg C, and be fully adjustable for beam size, and extremely



wide projection size. The projector is able to project at an accuracy of 10cm at a projection distance of 150m. The fully redundant construction makes it super reliable, also during the world cup of FIS Ski Jumping competition.

At the same time, the development of the software system took place. With almost 100 parameters, like wind speeds on different parts of the site, wind directions in 3D, air temperatures outside, temperatures in the snow, temperatures on the starting grid, speed of the jumper at starting grid, and a few other important parameters, the "best-to-beat" line can be calculated within milliseconds. A mathematical difficult 3D geometric model corrects the distortion from the side projection to almost 0% error. Then the information is streamed via LAN to the projector, and is accurately projected onto the landing slope.

The laser projector is placed very sideways, either on the judging tower, or on a floodlight tower. The projection distance and angle is very critical for the geometric correction, since the projection surface is a fully 3D object, with curves in all three dimensions. This problem has been solved by a complex 3D equalization.

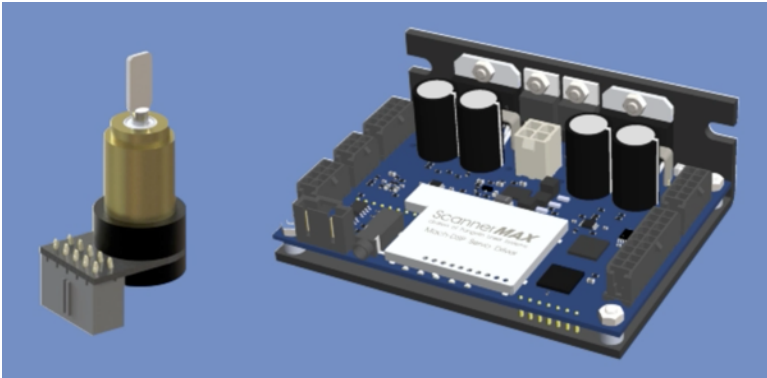
Laser power can be automatically adapted to ambient light conditions. Scanning is synchronized to a 250Hz slow motion camera, to avoid flickering on slow motion TV pictures.

The entire system has TUV approval for laser safety.

Fenning Award for Technical Achievement

## Second Place

### *Saturn 1 optical scanner and Mach DSP servo driver* Pangolin Laser Systems



The Saturn 1 is a small galvanometer-based optical scanner offering what we believe is the highest speed available to laserists today. We have publicly demonstrated ILDA 90K at the recent Prolight & Sound tradeshow in Frankfurt Germany, and in the lab and at Photonics West, we have achieved projections with up to ILDA 120K.

The Saturn 1 is able to achieve these speeds because it offers the lowest inertia and highest torque-to-inertia ratio of any commercially-available moving magnet scanner, while simultaneously offering a very stiff (strong) rotor construction, low coil inductance, and coil resistance well under 2 ohms.

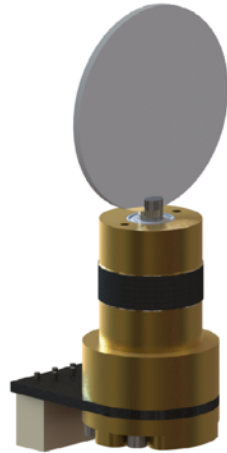
The Saturn 1 scanner is driven by the Mach DSP servo driver. The Mach DSP is almost 100% digital, allowing users to adjust scanner tuning using an application on the PC rather than tuning potentiometers. Multiple scanner tunings are instantly accessible with the click of a mouse, offering the user the capability of operating at 30K, 60K, and 90K, plus custom tunings.

Fenning Award for Technical Achievement

**First Place**

*Compact 506 optical scanner*  
Pangolin Laser Systems

The ScannerMAX Compact 506 is a small, low-inertia galvanometer-based optical scanner capable of driving 3mm aperture mirrors at lightshow scanning speeds in excess of 50K (nearly 5kHz small signal bandwidth and 150 micro-second small steps) with no distortion, as well as being capable of driving mirrors up to 1 inch diameter. The small size, high performance, and yet low cost of the Compact 506 have made it an instant favorite among lightshow and industrial clients alike.



The Compact 506 is constructed in a way that is completely different from the conventional moving magnet technique that was originally invented nearly 40 years ago. The Compact 506 utilizes a laminated stator with a recently-patented magnetic circuit, along with a different rotor construction technique, and our patented high-output position sensor design.

The Compact 506 behaves differently from typical lightshow galvos in the following ways:

- The position signal is up to ten times as strong.
- Torsional and bending-mode resonances are infinitely higher.
- The coil resistance is 50% lower, but inductance is around four times as high.
- The torque-to-inertia ratio is around 20% higher.
- There is a return-to-center magnetic spring phenomenon.
- There is no rotor/mirror stop.

## **2014 ILDA CAREER ACHIEVEMENT AWARD**

**Timothy Walsh**  
Laser Spectacles Inc.



For 2014, ILDA's highest honor goes to Timothy Walsh of Laser Spectacles, Inc.

Tim graduated with a degree in Music Composition from the University of North Texas, and has always incorporated dance, film, and video into his compositions. While an undergraduate, he got his start in lasers in 1977, as a planetarium laserist for Laser Creations, Inc. in Texas. He also co-founded Brave Combo, a Grammy-winning band still going today. In 1985, Tim formed Laser Spectacles, Inc.. Since then he has performed and installed laser shows world-wide, from churches to raves, corporate meetings to outdoor festivals.

Tim approaches laser shows as an artist, passionate about getting the right look and achieving his unique vision. To reach his goals, he began designing and building his own laser projection equipment. He envisions the ideal show as "Laser Synaesthesia" -- seeing exactly what one is hearing; to accomplish this, he uses the same audio signal to control both the loudspeakers and the laser scanners. Tim is a professional musician and composes "Laser Synaesthesia" pieces to accompany his performances on saxophone, clarinet, Irish pipes and accordion.

Tim and Laser Spectacles have won over 28 awards, beginning with the first ILDA Awards in 1988 and continuing with First Place Awards in both 2011 and 2012 -- the only 1988 recipient still winning today. Other notable honors include "Best Laser Show" at LDI and a First Place International Festivals and Events Association award for "Best New Event." Laser Spectacles was one of the first two companies to receive the designation "ILDA Accredited Professional Lasershow Company" in 2010.

Tim is a Founding Member of ILDA, and has been one of the most active Members through the decades. He documented ILDA's first meeting at Lake Tahoe in 1986 with a diary and audio recording -- still available online at ILDA's website -- and served on the first Publicity Committee. He has written many articles for "The Laserist" magazine. Tim was Chair of the Awards Committee from 1993-2000 and from 2006 to the present. He was instrumental in presenting live laser shows at the annual ILDA Awards Banquet; prior to his tenure, only videos were shown. As Awards Committee Chair, Tim oversees the Awards Categories, plans the lasers at the Banquet and organizes the judging of both the Artistic and Technical Awards.

Tim joined the ILDA Board in 2006, and served as ILDA President from 2006-2011. Tim and his wife Helen hosted the very successful 2012 ILDA Conference in San Antonio, Texas, and he did this as one of the few sole-proprietor companies to have run an ILDA Conference. In 2013, Tim received the ILDA Outstanding Service Recognition Award, for his long and distinguished service to the association

About ILDA, Tim says: "I am thankful to have been a part of ILDA from the start; ILDA's network of support and inspiration aids me in accomplishing my goals. I feel part of a world-wide family of laserists."

Tim's company, Laser Spectacles, is an ILDA Accredited Professional Member for 2014, and is a Founding Member of ILDA. Tim is a Founding Member of ILDA, having attended the first organizational meeting in 1986 and being an ILDA Member continuously since that time.

## **2014 ILDA CONFERENCE**

### **Host**

**Laser Production Network (LaserNet)**

*Tom Harman • Christine Jenkin*

### **ILDA Conference Committee**

*Christine Jenkin, Chair*

### **ILDA Board of Directors**

November 6 2013 - November 17 2014

*Christine Jenkin, President*

*Olga Eser • Dan Goldsmith*

*Alex Hennig • Francesco van Loon*

### **Awards Presentation**

*Tom Harman, Master of Ceremonies*

*Horacio Pugliese, Technical Director*

*Tim Walsh, Awards Committee Chair*

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**International Laser Display Association**