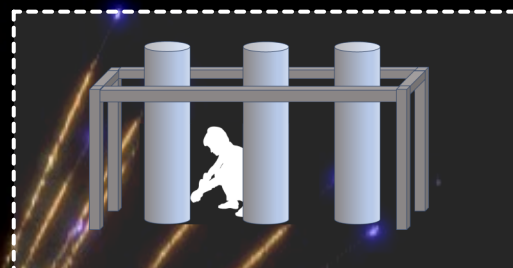


Competition Program

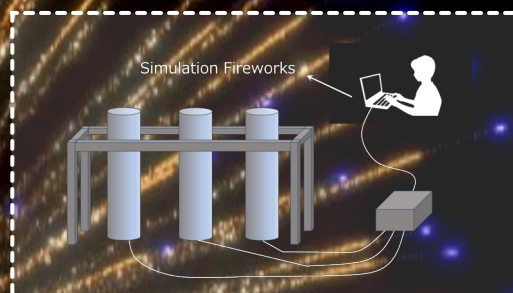
Guide to enjoying the works

What is simulation fireworks?

Simulation fireworks is computer generated firework videos created using software that is also used to launch real fireworks. Real fireworks are launched by placing the firework shell in a tube, igniting gunpowder at the bottom of the tube, and then launching the firework into the air using the gas pressure. In the past, this ignition work was done directly by pyrotechnists. Nowadays, remote ignition using a computer is the norm. Simulation fireworks are created by using the software used to launch the real fireworks, which then outputs a CG video of the fireworks display. In recent years, software capabilities and computer video generation have improved to the point where it is now possible to create videos so detailed that they are indistinguishable from real fireworks.



(Conventional)



(Current)

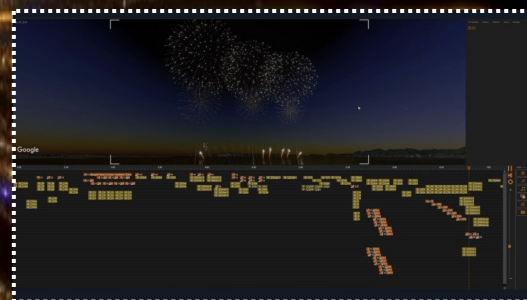
Key points for judging by category

Simulation Fireworks Competition has three categories:

Realistic shell category... A category that competes to see how close the depiction of real fireworks can be. The points of evaluation will be how close the expression of colors, sounds, smoke, etc. is to real fireworks, and whether the expression matches the title of the work.

Creative shell category... A category that competes for originality and beauty as CG. Apart from the real fireworks, the evaluation criteria will be whether the expression perceived through sight and sound is novel and beautiful, and whether it matches the title of the work.

Creative show category: A category that competes for overall performance. The overall performance will be evaluated based on factors such as the timing and rhythm of the launch, color combinations, combinations of firework types, and consistency with the title of the work. Please take a look at the world of fireworks art that the artist has envisioned.



The unique challenges of simulation fireworks

Simulation fireworks can be recreated multiple times on a computer, allowing for precise adjustments to launch timing and color. For this reason, there are high expectations for a good rhythmic fit with music, color depiction, and color combinations.

On the other hand, when we look at each individual firework shell, it becomes difficult for simulation fireworks to express the subtle changes in color and natural "star burning out" that can be seen in real fireworks. In addition, creating fireworks that specify the direction in which the stars scatter (such as pattern fireworks) or fireworks that slightly shift the timing at which the stars light up (time-lag shell) cannot be done using only the standard functions of the software, and is very difficult to create.

Please pay attention to these points when viewing the exhibit, and enjoy it.



Competition fireworks launch order

(We have omitted honorific titles here.) Scoring column

No. 1	Realistic shell category	Noboritenmetsu goeshin henkagiku 「昇り点滅 五重芯変化菊」 (Meaning of the title : quintuple core chrysanthemum shell with color changing and rising flashing effects) (Author : yu_fireworks_sim) Comment from the author : It's still incomplete...	
No. 2	Realistic shell category	Noboribunpotsuki yoeshin kikusaki pink koro 「昇分包付四重芯菊先ピンク光露」 (Meaning of the title : quadruple core chrysanthemum shell, the tip stars from pink to flashing, and with rising branch attachment) (Author : Owari Fireworks Factory)	
No. 3	Creative show category	Shiki shojoruten 「四季、生々流転」 (Meaning of the title : The four seasons, vividly changing) (Author : Masa's Virtual Factory)	
No. 4	Creative show category	Amagoi 「雨乞い」 (Meaning of the title : praying for rain) (Author : Craft Virtual Fireworks Factory) Comment from the author : I pray for rain that will bless the earth...	
No. 5	Creative show category	“Dreams in the Starry Sky” (Author : zzcv fireworks)	
No. 6	Realistic shell category	Noborikyokudotsuki mieshin henkagiku 「昇曲導付 三重芯変化菊」 (Meaning of the title : color changing triple core chrysanthemum shell with arising attachment effect) (Author : Yuagari) Comment from the author : This firework creates four layers of concentric circles.	
No. 7	Creative shell category	Smairu senrin 「スマイル千輪」 (Meaning of the title : shell of thousands smile shell) (Author : yu_fireworks_sim) Comment from the author : Will the shell turn towards us? It'll be fun if everyone smile ☺	
No. 8	Creative shell category	Ao no kesho 「青の結晶」 (Meaning of the title : blue crystal) (Author : Craft Virtual Fireworks Factory) Comment from the author : This crystal contains various shades of blue. Please feel the aura of blue...	

- | | | | |
|--------|-------------------------|--|--|
| No. 9 | Creative show category | Akinishiki yurare mau shikisai
「秋錦～揺られ舞う色彩～」
(Meaning of the title : autumn brocade ～Swaying and dancing colors～)
(Author : Yuagari)
Comment from the author : I bring you the shimmering colors of an autumn moonlit night. | |
| No. 10 | Creative show category | Koin yano gotoshi ima konoshunkanwo kokoroni kizame
「光陰矢の如し～今、この瞬間を心に刻め～」
(Meaning of the title : times flies like an arrow ～Engrave this moment in your heart～)
(Author : yu_fireworks_sim)
Comment from the author : There's no time to blink! Engrave this moment in your heart! | |
| No. 11 | Creative show category | Kurenazumu sora Imawa toki itsumono ieji
「暮れなずむ空～今は遠きいつもの家路～」
(Meaning of the title : the sky is turning dusk ～the usual journey home is now far away～)
(Author : Komatsukakokagayaki fireworks factory)
Comment from the author : It's a memory from a time long ago when I was a child, and when my mother called me, I turned around and saw the evening sky. Today, I will close my eyes and head home as usual. | |
| No. 12 | Creative shell category | Noborikobanatsuki goku karafuru orion
「昇小花付極カラフルオリオン」
(Meaning of the title : Extremely colorful Orion with arising small flowers attachment effects")
(Author : Owari fireworks factory) | |
| No. 13 | Creative shell category | Gokusai
「極彩 ～Happiness～」
(Meaning of the title : Extremely colors～Happiness～")
(Author : Masa's Virtual Factory) | |
| No. 14 | Creative show category | Woyuyanyingcanqiong
“我与焰映苍穹”
(Meaning of the title : I and the flaming sky)
(Author : liyuan-fireworks) | |
| No. 15 | Creative show category | Utsukushiki genso sekai
「美しき幻想世界」
(Meaning of the title : beautiful fantasy world)
(Author : Owari fireworks factory)
Comment from the author : A different world unfolds in each scene. | |

Special program

“Opening fireworks show” (provided by Simulation Fireworks Association)

“Two distant places, one same sky” (provided by volunteers)

Comment from the author :

This is the second edition of the special program that feature distant places. From the historical, old houses on the water of Venice, from the modern skyscrapers of Japan, fireworks unite both these far places in the same sky.

6th annual commemorative fireworks show 「IRTS神社 奉納花火」

jinja hono hanabi

(Meaning of the title : IRTS Shrine dedication fireworks)

(provided by Simulation Fireworks Association)

End the plague! Pray for a good harvest! Pray for peace! It's a little early, but we hope 2026 will be a good year for everyone and for the world! The culture of dedication fireworks has been passed down in each region all over the world. Please visit the local areas and feel the feelings that people put into the dedication fireworks.

Shakudamahayauchi yumenohana sakaseyo

「尺玉早打～夢の花、咲かせよう～」

(Meaning of the title : 300 mm shell rapid launching ～Let's make the flowers of our dreams bloom～)

This is a collaborative program with FWsim users that launches fireworks shells sent in by FWsim users. This collaborative program will be the final show of the 6th Simulation Fireworks Competition.