



teamLab, Bubble Universe: Spherical Crystallized Light, Wobbling Light, and Environmental Light - One Stroke © teamLab

## VISUALIZING OPTICS

# Experiencing Art and Optics

Immersive art installations—filled with light and movement—invite viewers to experience art and optics firsthand.

Inside teamLab's "Bubble Universe: Spherical Crystallized Light, Wobbling Light and Environmental Light - One Stroke" (pictured above), visitors are presented with a constellation of spherical lights that appear to have crystallized and additional lights that resemble wobbling lumps of jelly. Based on teamLab's concept of "cognitive sculpture," the spheres of light and light jelly do not exist as physical objects, instead they are imagined sculptures created by light, the surrounding environment and the viewer's perception.

To create the effect of continuous light and objects, the seemingly random arrangement of spheres in the space has been mathematically derived so that, starting from any sphere, a line continuously drawn to the nearest neighbor results in a single, connected path of light that passes through every sphere exactly once, like a unicursal stroke. The resulting artwork invites the viewer in as a participant and prompts them to question what is real and what is imagined.



## A selection of interactive art installations

teamLab, *The Way of the Sea: Flying Beyond Borders* © teamLab

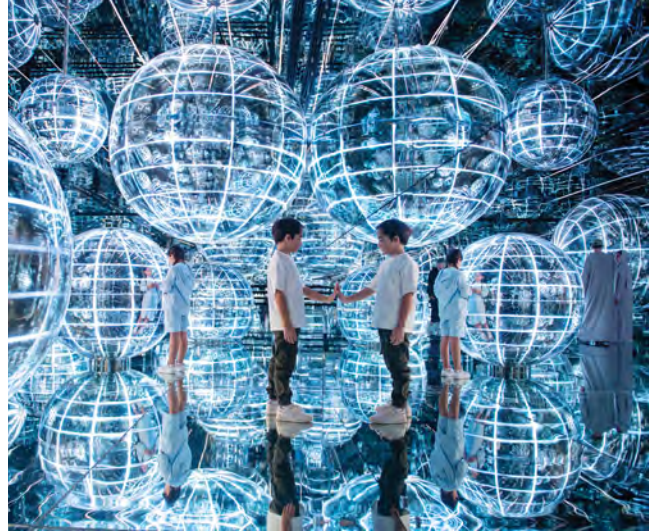


### teamLab Borderless: MORI Building DIGITAL ART MUSEUM [Tokyo, Japan]

At teamLab Borderless, visitors are invited to wander through and explore a series of artworks that move freely in and out of multiple spaces to form one continuous, borderless world. teamLab has additional locations in Japan and internationally.

[teamlab.art](https://teamlab.art) | [@teamlab](https://twitter.com/teamlab)

Aya Universe Dubai, Luna



### Aya Universe [Dubai, UAE]

At AYA Universe, visitors are invited to play, drift and dream, as they explore a series of vibrant worlds lined with ever-changing LEDs, flat-panel displays, spotlights, fiber optics and mirrors that give the appearance of infinite depth.

[aya-universe.com](https://aya-universe.com) | [@ayauniverse](https://twitter.com/ayauniverse)

Arte Museum, *Cave*



### Arte Museum

[Gangneung, Republic of Korea]

At Arte Museum Gangneung, visitors are presented with a seemingly endless cave that constantly transforms, shifting from a rock cave, to a forest cave, to a surreal world beyond space. Arte Museum has locations in the Republic of Korea and internationally.

[artemuseum.com](https://artemuseum.com) | [@artemuseum\\_gangneung](https://twitter.com/artemuseum_gangneung)

Light Art Museum, *Eye See You* by Ólafur Eliasson



### Light Art Museum

[Budapest, Hungary]

At Light Art Museum, interactive art installations and immersive projections by international artists explore the boundaries between imagination and reality, revealing to visitors the aesthetic utopias of light and its artistic possibilities.

[lam.xyz](https://lam.xyz) | [@lightartmuseumbudapest](https://twitter.com/lightartmuseumbudapest)

Artechouse, *Twilight Zone*



### Artechouse

[Washington, DC, USA]

Artechouse immerses the viewer in a rotating series of experiential works that combine pulsating music, all-enveloping visuals and interactive elements. Artechouse has additional locations in New York and Houston, USA.

[artechouse.com](https://artechouse.com) | [@artechouse](https://twitter.com/artechouse)