

Approx. 20,000 People Visit "STRL Open House 2014"

The NHK Science & Technology Research Laboratories (STRL) hosted its annual open house for four days, from Thursday, May 29, to Sunday, June 1.

On the theme "Heart to Heart Technology," 31 exhibits on STRL's latest research results were presented to the public, including 8K Super Hi-Vision, which will begin test broadcasting in 2016, Hybridcast, which was launched last September, three-dimensional television, and human-friendly broadcasting technologies. A total of 20,115 visitors attended the exhibition.



8K Super Hi-Vision

This section of the open house featured exhibits on an ultra-compact 120-Hz camera with a new 33-megapixel 120-Hz single-chip image sensor, together with related technologies for video coding technology, large-capacity satellite transmission, etc.

Fusion of Broadcast and Broadband

Work continues on Hybridcast, a platform technology to provide enriched broadcasting services through a broadband network. Advanced technologies needed to provide a diverse range of highly function services were presented.

Three-dimensional Television

This year's open house presented imaging and display technologies to improve the quality of an integral three-dimensional television system that can provide natural, easy-to-see three-dimensional images without special glasses.

Human-friendly Broadcasting Service

Our exhibition allowed visitors to experience how sensations such as the shape and hardness of an object can be conveyed through a haptic and tactile presentation system. A sign-language animation synthesis system that incorporates facial expressions depicted computer graphics (CGs) was also on display.

Enhancing Production

This section of the open house presented various technologies to enhance production, including a wireless IP transmission technology for underwater relay broadcasts and digital wireless microphones.

Next Generation Broadcasting Devices

Elemental technologies associated with organic EL displays toward large flexible 8K Super Hi-Vision were presented.

Broadcasting Service

We presented a technology to correct shaky images without degrading picture quality that uses video from a high-resolution camera and a CG-based big data visualization system.

NHK Museum of Broadcasting

The Tokyo Olympics in 1964 was a golden opportunity for the Japanese TV industry to spring onto the world stage. Broadcasting systems and footage from an outside broadcast from that period were presented.

Interactive Exhibit

Poster Exhibit

Two interactive exhibitions for the general public and nine posters designed for experts introduced our latest research results.

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