



## Research Keywords

Color & Texture, VR/AR/MR, Design Science

## Research Summary

My specialty is media system design. I am designing systems that focus on human sensitivity, based on the fusion of art and engineering.

For example, "KIZUNA Visualizer," an e-mail system that sustains and deepens important bonds with people, "Multilingual Communication Robot System," a guidance robot that automatically selects its native language and spontaneously speaks to foreign visitors to Japan, and "Google Glass Remote Control Notification System," which provides information about exhibits when visitors approach them at an exhibition venue. We have also designed a "Google Glass remote control notification system" that provides explanations about exhibits when visitors approach them at exhibition sites. Recently, we have been focusing on new expressions of color and texture using optical characteristics.



Fig.1 KIZUNA Visualizer

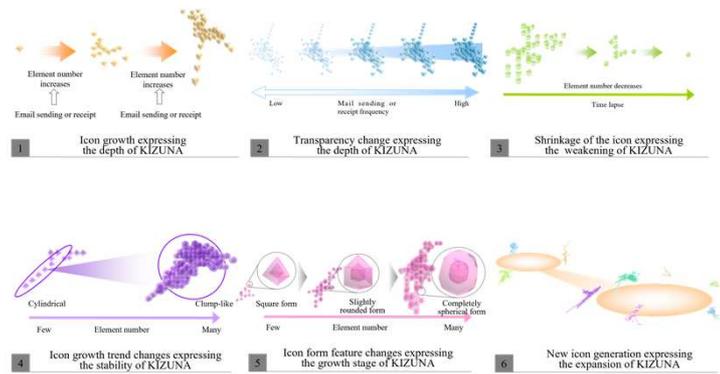


Fig.2 Six Functional Algorithms Used in System for the Visualization of KIZUNA

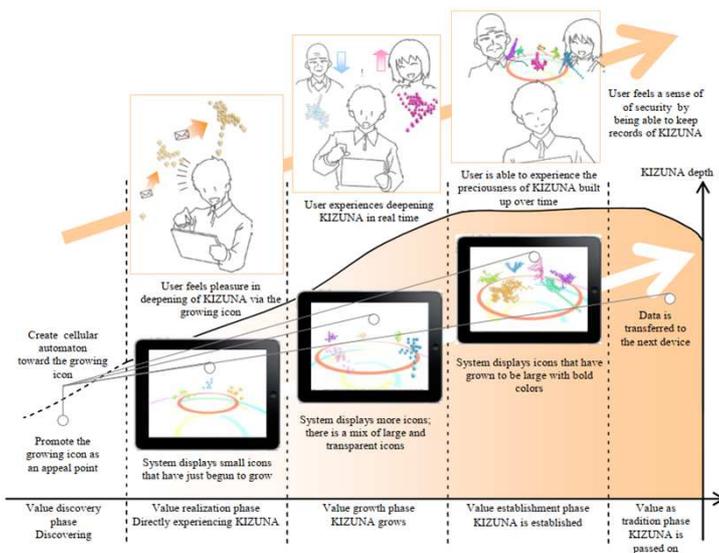


Fig.3 The Deepening of KIZUNA Through the KIZUNA Visualizer

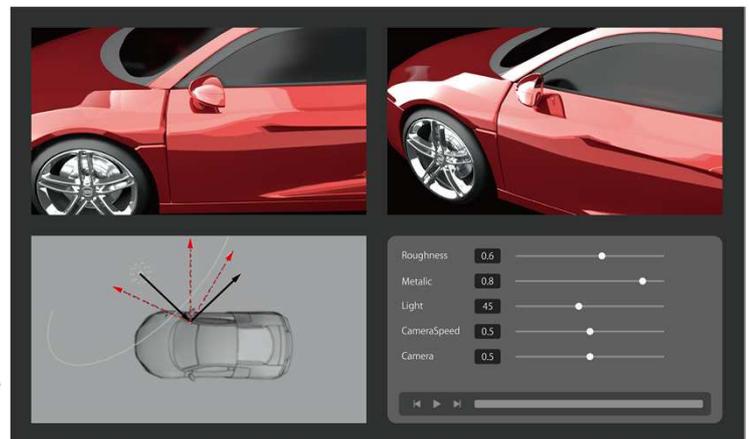


Fig.4 Texture Expression VR System