

Anna Ursyn-From the Inside of the Computer

Anna Ursyn, Ph.D., Professor
Computer Graphics Area Head
School of Art and Design
University of Northern Colorado
501 20th Street
Greeley, CO 80639
ursyn@unco.edu
[970 351 2476](tel:9703512476)
[970 351 2299](tel:9703512299)
Ursyn.com

Based on your knowledge of what is inside of the computer, create a depiction of your vision of what a particular part, set, or component of a selected part of a computer would “see” when looking out from the inside of the computer through the computer monitor. Watch a video about how to build a computer previously developed by your fellow students. Select fragments of the video that inspire you and make sense for your production. The permission to use the materials was already obtained for you. Create your own artistic interpretation of building the computer process and outcome. You may also draw a computer as seen from the inside. Find some microscopic photographs showing fullerenes and show how fullerenes might see the user ‘looking’ from the screen or the interior of the computer. Imagine you are tiny as a computer controlled robot, bot or a bacterium. Picture a world seen inside a computer. You may have an X-ray like vision so you can see across (As a part of electromagnetic radiation, most X-rays have a wavelength in the range of 0.01 to 10 nanometers. Thus, X-rays are shorter than the ultraviolet UV rays but longer than gamma rays).

Imagine it is an all-in-one computer with a CPU build in the monitor, or a laptop. It could be a memory chip, a motherboard, or a video card, or it’s part. The part you select has some form of intelligence, but it would be different from a human intelligence. Nowadays, fullerenes are being used on the nano scale (10^{-9} , and a line of a size of a spider web can guide and control a heavy tanker searching under ocean waters on the depth higher than the highest mountain). Do the research of the use of those newly discovered materials in the cosmic space? Look at the ideas beyond miniaturization of mobile devices, watches, bracelets, or rings: what they are capable of now. Also, knowing that whatever we encounter on the screen is a result of a code written, and then compiled so the computer can transcribe it into an own way of understanding, consider that it would have different interpretation of senses, reactions, or emotions. It would depict the meaning of a setup and actions differently. The computer might belong to a single person, who uses it differently depending on the task: reading email, responding to it, reading a novel, or writing it, watching performance of a stock market, news, information about innovations, looking at the comics, or creating are, learning some news, funny or shocking from the internet. Thus, the facial expressions or moods might change:

Or, you might imagine this computer sitting in the science lab, preschool, library, or some other public space, so there would be many people using it: dressed differently, with different faces and facial expressions. This could lead toward sociological, or psychological research.