

Methods

Mouser's technology & solutions journal

Immersive Technology



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Foreword: Sinking Deep

By Paul Golata

3 2 1 Go!

The decision has been made. The point of no return has been reached. I leave the ground, and I feel like I am flying. I see it all. I marvel at the thrill. Suddenly! Splash! I hit! I am immersed in a tomb of wet darkness. Growing pressure. A slow, steady rise to the surface. I breakthrough. I breathe.

At one time in your life, you have probably done what many of us has. You stood at the edge of a pool, deciding whether or not you wanted to commit and jump in. You finally decided and went for it. Next, you experience complete immersion, going from our normative environment into the sinking deep wetness of the swimming pool's watery realms.

Mouser Electronics empowers innovation with our customers as the realm of immersive technologies develops. Immersive technology provides an altered perception path for human beings to be mentally present in a non-physical world. It is shaping new perceptions of reality and what can be perceived as real. Employing technologies such as

augmented reality (AR,) extended reality (XR), mixed reality (MR), and virtual reality (VR), it merges human sensory experience with computers and digital information, creating new environments to be explored. Immersive technology will redefine how we perceive things and significantly transform the relationships between human and machine interactions forever.

To be successful in the future, companies will need to adjust their processes to implement and execute immersive technologies with excellence. This innovative technology will enable human creativity and consciousness to open up new applications and markets. In the following pages, Mouser Electronics will provide the definitions and overview of this exciting new technology. From there, the relationship between objective and subjective reality will be explored. The requisite technologies that enable its capabilities and tremendous impact on work, education, and our everyday lives will be explored. Dynamic ways to experience, touch, hear, and sense will be touched on. It will conclude by looking at how design engineers have to adapt themselves to engage with this technology.

Mouser Electronics invites you to sink in deeply and enjoy reading how we have supported our customers' design needs by solving the challenges that face them. Come in and see how Mouser Electronics is the right distributor to work with to satisfy your next-generation immersive technology design needs. [M](#)

About the author



Paul Golata joined Mouser Electronics in 2011. As a Senior Technology Specialist, Paul contributes to Mouser's success through driving strategic leadership, tactical execution, and the overall product-line and marketing directions for advanced technology related products. He provides design engineers with the latest information and trends in electrical engineering by delivering unique and valuable technical content that facilitates and enhances Mouser Electronics as the preferred distributor of choice.



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