Virtual Reality Innovation Challenge

The VR Innovation Challenge invites students to develop a use case into a novel and innovative system that utilizes virtual, cinematic, augmented, or mixed reality to address and solve a real world problem.

Overview
Virtual reality and related technologies enable the blending of what is real and virtual. This powerful capability extends our ability to experience the world through sensory based human computer interactions. Virtual reality is crossing into the realm of affordable, development is becoming less specialized, as a result the use cases for VR and related technologies are exploding.

The Opportunity
The VR Innovation Challenge invites you to develop a use case into a novel and innovative system that utilizes virtual, cinematic, augmented, or mixed reality to address and solve a real world problem. The proposed solution should be immersive, visually appealing, and intuitive to interact with. The innovative design your team develops is the key to your success.

The Contest
The deadline for proposal submissions is September 23, 2018. Finalists will be announced through the VR Challenge portal on September 28, 2018. Finalists will receive funding to implement their proposed solution. A capability demonstration, the “show off” will be conducted at the conclusion of the Innovation Challenge.

Proposal Submission Deadline
September 23, 2018

Sponsors
Planet
Develop a novel cutting edge solution to a real world problem using Planet imagery and a VR or AR solution. Planet will provide 3-5 SkySat videos to teams that take on this challenge. In addition to data finalists who develop a solution for Planet will receive mentorship from the Planet team.

Arizona Department of Emergency and Military Affairs (DEMA)
Develop a novel cutting edge solution to a real world problem of post disaster damage assessment utilizing UAS/UAV captured video and VR or AR solution. Finalists accepting this challenge will receive mentorship from the DEMA team.

Northstar Satellite Services
Develop a space situational awareness capability for orbiting objects that includes object collision avoidance orbit planning using a VR or AR solution. Finalists accepting this challenge will receive mentorship from the Northstar team.

ASURE(Sponsor TBD)
Develop a functional conceptual design for the Army’s Next Generation Urban Combat vehicle and VR or AR solution. Finalists will receive mentorship from the ASURE(TBD) team.

More Information