NASA RETH PROJECT

Summer Research Project

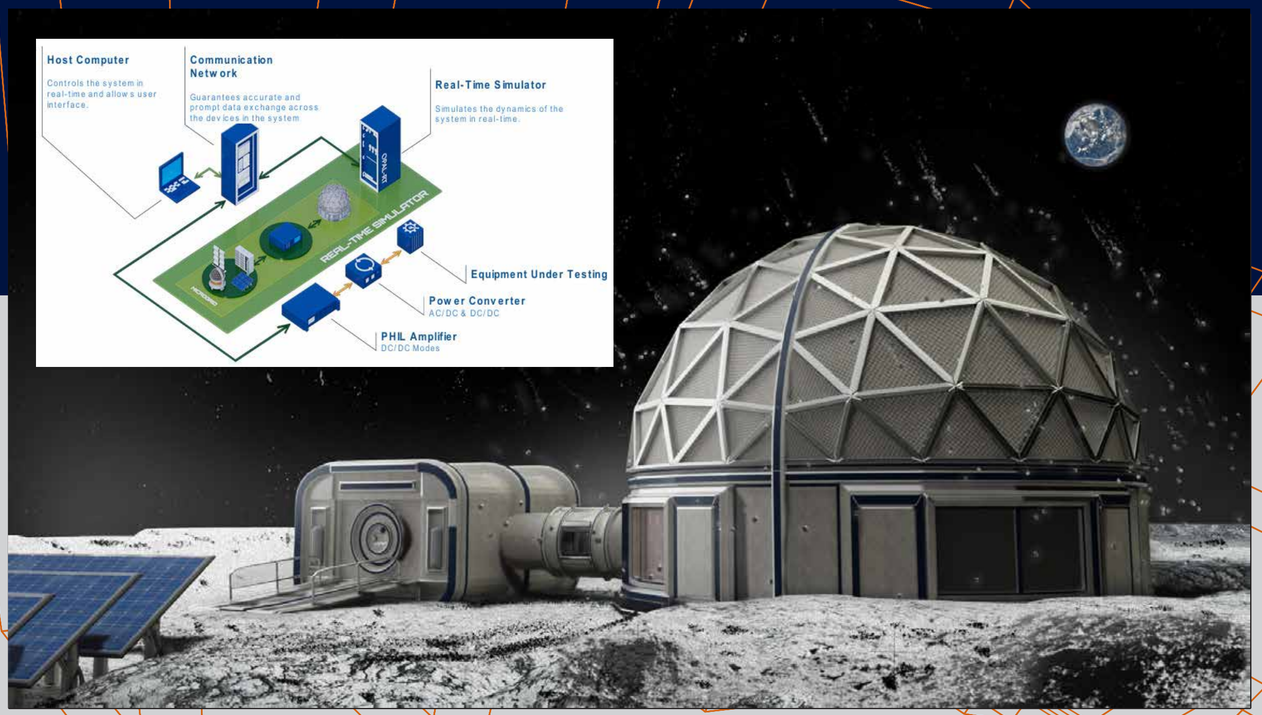
Students: Alexander Knight, Wing Tung (Gloria) Vong

Lead Advisor: Jorge Paricio Garcia, MID, HRM, PhD

Advisors: Ali Bazzi, PhD, UConn College of Engineering

Wing Tung (Gloria) Vong and Alexander Knight, students from the Digital Media and Design (DMD) program, successfully led the development of three-dimensional visualizations for a lunar landscape, developed under the auspices of the Reth Institute. This is a collaborative entity that combines resources and researchers from Purdue University, UConn, the University of Texas at San Antonio (UTSA), and Harvard University.

The visualizations created by Wing Tung and Alexander played a crucial role in presenting a comprehensive report at the Reth Institute's summer meeting, contributing to a publication ready for dissemination.



Alexander and Gloria transformed preliminary visuals into detailed, workable diagrams of integral components of a lunar colony, such as power amplifiers, interface controls, and dispatch functions, with guidance from their advisors and graduate students.

They developed realistic depictions of both the colony's interiors and exterior appearance. Their work required building credible lunar landscapes and crafting detailed interior spaces, and recreating previously completed diagrams. Through their efforts, Gloria and Alexander significantly contributed to advancing the visual understanding of lunar colonization concepts, providing valuable visuals to help in the communication of the research efforts. Their innovative visualizations made a meaningful impact at the Reth Institute's summer meeting and in the broader academic community.

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