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PHYSICAL SCIENCES STUDENT AFFAIRS

AEROSPACE AND ENGINEERING Q&A PANEL

Join us for a live Q&A with professionals in the field as they answer your questions and discuss how to best prepare for career paths in aerospace and engineering!

RSVP here: https://ps.uci.edu/mentors/2021-Mentor-Career-Panel-RSVP

Panelists:

Kenneth Hays retired from The Boeing Company in April 2017. Prior to that he was a Senior Technical Fellow there, and on the staff of the Vice President and Senior Chief Engineer for Mission Systems, Payloads and Sensors. He also served as the Boeing technical Director for HRL Laboratories, a Boeing subsidiary in Malibu, CA, as well as working on sensors of various types. Ken has a B.A. in physics and math, a masters in physics, and Ph.D. in condensed matter physics, all from UCI. He began his first post–UCI job in 1984 at the Northrop Corporation's electronics division, working on inertial measurement units for the MX missile (a.k.a. "Peacekeeper") project. He left Northrop after 1½ years and joined Rockwell International's Science Center, where he worked on infrared sensors, superconducting electronics and vibrating microscopic gyros. When Boeing bought part of Rockwell in 1996, Ken became the Principal Scientist of their Research & Technology Center at Boeing North American. About two years after that he moved over to their Naval Electronics and Navigation group where he worked on fiber optic gyros and ballistic missile submarine guidance. Following that assignment, he became the Director of Technology Integration for their Air Force Systems business, and then Chief Scientist of the Anaheim site, and then Director of Mission Assurance for their Command, Control, and Communications Networks business area. Ken holds eleven patents.

Russell Lipeles graduated from UCI with an AB in Chemistry and Physics. He went to UCLA and worked in the Chemistry Department on understanding molecular motion in liquids using light scattering and ultrasonics. After getting his PhD in Physical Chemistry he took a post-Doc position at USC/The Aerospace Corporation in order to learn surface science, which was a young field in the late 1970s/early 1980s. After nine months he was hired full time at The Aerospace Corporation. Although he has degrees in chemistry and physics, he does most of his work in materials science in the areas of polymers, composite materials for space structures, data storage materials, optical modulators, and spacecraft and rocket materials. He has also managed technical professionals as a section manager and associate department director.

Wednesday, February 10 at 5 pm via Zoom