

SEMINAR ANNOUNCEMENT

“What are maximum permissible doses of radiation for radiation workers, and astronauts? What are doses of radiation to the general public?”

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ABSTRACT: THIS PRESENTATION WILL REVIEW SOME OF THE BIOLOGICAL EFFECTS OF IONIZING RADIATION AND HOW MAXIMUM DOSES ARE ESTABLISHED. HOW DO THESE PERMISSIBLE DOSES COMPARE TO THE DOSES THE AVERAGE US RESIDENT RECEIVES FROM NATURAL BACKGROUND RADIATION AND HUMAN-MADE SOURCES OF RADIATION?

IN ADDITION, HUMAN SPACE OPERATIONS IN THE FUTURE MAY INVOLVE LARGER NUMBERS OF PERSONNEL, LONGER MISSION TIMES, AND NUCLEAR SYSTEMS FOR PROPULSION AND ON-BOARD POWER REQUIREMENTS. PRESENTLY ACCEPTED RADIATION PROTECTION GUIDES ARE TOO RESTRICTIVE FOR FUTURE HUMAN SPACE OPERATIONS. WHAT ARE LIMITS OF RADIATION DOSES FOR ASTRONAUTS?

Thursday, March 31st, 2011

12:00 – 1:00 pm

Room SI 117

Pizza and refreshments will be served before the seminar.