

Safety and Environmental Aspects of Fusion Energy

31 July 2013 – MAE Auditorium 1200

With Guest Lecturer Dr. Susana Reyes

Leader, Tritium Systems & Licensing
Laser Inertial Fusion Energy,
Lawrence Livermore National Laboratory

Many people believe that fusion will provide humanity with limitless energy, without any of the environmental liabilities associated with fission power. However, these plants will also involve the safe handling and storage of nuclear fuel, in this case isotopes of hydrogen. This seminar will focus on the practical issues associated with the safe handling of significant quantities of tritium in future fusion power plants.



Dr. Susana Reyes

Abridged Biography:

Dr. Susana Reyes is a nuclear engineer at Lawrence Livermore National Laboratory (LLNL), with over 13 years of experience in international fusion projects. She is currently leading the LIFE effort for licensing and tritium systems. She earned an M.Sci. in Power Engineering from the Polytechnic University of Madrid in 1998 and a Ph.D. in Nuclear Engineering from the UNED University in Madrid in 2001. Dr. Reyes then joined LLNL's Fusion Energy Program to work on the safety analysis of inertial fusion energy power plant designs. Dr. Reyes is the current vice-chair/chair-elect of the American Nuclear Society (ANS) Fusion Energy Division, and is also a member of the ANS Northern California chapter Executive Committee. She is the recipient of the ANS 2012 Mary Jane Oestmann Professional Women's Achievement Award.

