

Brief biography: **Erasmia Lois**, Senior Risk and Reliability Analyst,  
Office of Nuclear Regulatory Research.

Dr. Lois has a Ph.D. in Nuclear Engineering, University of Maryland, a Masters degree in Mathematics, University of Pittsburgh, and a Bachelors degree in Mathematics, University of Athens, Greece. Dr Lois has been with the NRC for 22 years; preceding that was a mathematics lecturer at the National Technical university of Athens.

At the NRC has been responsible for PRA research and applications including review of individual plant examinations, addressing PRA needs for low-power shutdown analysis, and the SAPHIRE computer code. For the last 5 years she has been leading the Human Reliability Analysis Research Program, at the Office of Nuclear Regulatory Research which includes the development of HRA Good Practices (NUREG-1842), the evaluation of HRA methods against the Good Practices (NUREG-1792), the development of a Human Event Repository and Analysis (HERA) System (NUREG/CR-6903) and the development of acceptance criteria for post-fire operator manual actions (Daft NUREG-1852). Dr Lois' current activities focus on the international collaborative effort for benchmarking HRA methods and the continuation of the HERA project and its use in HRA applications.