

NAMP EDUCATION AND TRAINING PROGRAM AND WEBINARS

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An increasing number of emerging countries are opting for nuclear energy as an important step towards economic development and environmental protection. The projected use of this carbon-free technology will require the formation of specialized nuclear engineers, scientists, health physicists, and radiochemists. In addition in countries such as France, Japan, and the United States, which are the world's largest consumers of nuclear energy, we observe a declining nuclear energy workforce in national laboratories as well as in the private sector. The future vigor and prosperity of nuclear medicine, nuclear science, and advanced nuclear fuel recycling technologies clearly depend on continued use and development of nuclear techniques and use of radioactive nuclides. To maintain the "know-how" in this field and to avoid the loss of the knowledge that could seriously and adversely affect the future of nuclear energy, the National Analytical Management Program (NAMP) –Education and Training subcommittee has already launched series of webinars on different subjects related to nuclear energy. NAMP serves as a central focal point to coordinate the analytical resources and capabilities available within the Department of Energy (DOE) complex. NAMP membership is open to all laboratories providing service to the DOE, i.e., government owned and government operated (GOGO), government owned and contractor operated (GOCO), and private sector laboratories. The expertise provided and services rendered by these laboratories in radiological and physical sciences are available to national and international agencies as and when required, especially in the event of emergencies (natural disasters, accidents, terrorist activities etc.).

By exploiting modern internet technologies, NAMP – Education and Training subcommittee is reaching out to the interest of a broad audience and is educating and strengthening the knowledge of participants in applications related to all aspects of nuclear chemistry. This achievement is the direct result of partnering with university professors and professionals who propose a 90 minutes live webinar on a monthly basis (<http://www.wipp.energy.gov/namp>). Besides opening the classroom to everybody in the world, the webinars offer unpredicted earlier opportunities for interdisciplinary crosslinking, and education and research collaboration. The details and examples of the NAMP webinar education modules will be presented in our contribution.