



DUONG QUOC HUNG: Vietnam

Nuclear Reactors: nuclear engineering and design



Mr. Duong Quoc Hung graduated from Moscow State University (MGU), former Soviet Union, in 1984 as a Nuclear Physicist. He later continued on to received his PhD from MGU in 1992. Since 2005 he has been working for the Vietnam Agency for Radiation Protection and Nuclear Safety (VARANS). Currently, Mr. Hung holds the position of Chief Inspector of VARANS.

On June 15, 2010, Mr. Hung began a three month IAEA fellowship at Pennsylvania State University (PSU) under the framework of the project VIE/9/010. Under the supervision of Professor Maria Avramova, he is working in a reactor

dynamics and fuel management group with the mechanical and nuclear engineering faculty of PSU. During his 3-month fellowship at PSU, Mr. Duong Quoc Hung will become familiarized with the basic concepts of nuclear engineering and design, as well as learn the details of thermal hydraulic processes in the core of nuclear reactors. He will also learn how to use the computing code COBRA-TF to calculate some parameters important for safety of nuclear reactors through the use of examples of safety evaluation for PSBR.

The skills and knowledge Mr. Duong Quoc Hung will gain during the fellowship will be very useful for the Vietnamese Nuclear Authority and VARANS to perform safety analysis and assessment evaluation for the Dalat Nuclear Reactor, the only nuclear reactor in Vietnam at this time. He will help make up the regulatory safety standards and requirements for Dalat Nuclear Reactor activities and inspection guidelines to control and to ensure safety of the Dalat Nuclear Reactor. This fellowship training will be extremely useful in the near future because the Vietnamese Government has plans to build a nuclear power plant in 2014 and begin running it in 2020.

Trained 6/15/2010—9/14/2010