

## Nuclear Fusion Research in Lithuania - history and perspectives

Egidijus Urbonavičius  
Lithuanian Energy Institute

Since 2006 Lithuanian Energy Institute (LEI) became involved in nuclear fusion research. In the beginning area of interests was very limited, but further LEI became more and more involved in such wide topic as fusion research.

Currently the topics covered by LEI are balometric analysis of experiments performed at JET facility. Neutron transport and radiation impact on the structures is investigated for JET and IFMIF-DONES facilities. Strength and structural analysis of components of W7-X facility was investigated, but the main activities currently investigated at LEI are safety and reliability assessment DEMO facility as well as analysis of influence of external events.

The presentation describes the history of Lithuanian Energy Institute involvement to fusion research and perspectives in this interesting field of science and technology.