

Dr. John. I. Sackett is an Affiliate Faculty Member in the College of Engineering at Idaho -State University. Previously, as Associate Laboratory Director at Argonne National Laboratory, Dr. Sackett had overall authority and responsibility for Engineering Research at Argonne National Laboratory. The scope of his responsibility encompassed managing a combined staff of approximately 1,150 employees and a budget of approximately \$150M for energy technology programs, including nuclear energy, national security, space nuclear, Generation IV Nuclear Energy Systems, and energy conversion technologies, including hydrogen.

His career at Argonne National laboratory spanned 35 years during which he established an international reputation in reactor design, reactor safety and fuel recycle. He is recognized as an originator of reactor designs that emphasize inherently-safe response to upsets, an important foundation for Generation IV advanced reactor systems.

In one of his most significant scientific contributions to nuclear reactor R&D and demonstration, Dr. Sackett provided leadership for the landmark inherent safety demonstration tests at the Experimental Reactor-II in 1986. The reactor was subjected to loss-of-flow (LOF) and loss-of-heat-sink (LOHS) without scram and passive safety system components safely shut the reactor down with no operator involvement.

Dr. Sackett is a native of Idaho. He attended the University of Idaho, where he graduated with a B.S. degree in mechanical engineering, and the University of Arizona where he graduated with a PhD degree in nuclear engineering.