



## U.S. WIN Professional Development Webinar Registration Announcement

### " Advanced Reactor Technology – Nuclear Energy’s Future in Diverse Markets and Applications"

December 13, 2018; 2:00 - 3:30 p.m. EST

**To register for the webinar, Follow this [link](https://www.surveymonkey.com/r/GDPNLPG) .  
(<https://www.surveymonkey.com/r/GDPNLPG>)**

Participants will learn more about Liquid Fluoride Thorium Reactors (LFTR) and how we can change the conversation about Nuclear Energy with creative applications using safer more efficient processes:

- Introduction to Liquid Fluoride Thorium Reactor (LFTR) technology and it’s development and history
- Flibe’s vision for the bright future of nuclear energy in diverse markets and applications.
- How LFTRs compare to current light water reactor technology.
- A contrast of supercritical carbon dioxide (sCO<sub>2</sub>) recompression Brayton cycles with traditional Rankine cycles for nuclear power conversion and discuss the advantages and disadvantages from coupling the sCO<sub>2</sub> power conversion system to our LFTR design.

A Panel Including Key Members of the Flibe Energy Team:

**Kirk Sorensen** is the founder of Flibe Energy and currently serves as President and Chief Technologist. Mr. Sorensen holds M.S. degrees in nuclear engineering from the University of Tennessee and in aerospace engineering from the Georgia Institute of Technology. Prior to forming Flibe Energy in 2011, Mr. Sorensen served as Chief Nuclear Technologist of Teledyne Brown Engineering after ten years working at NASA's Marshall Space Flight Center, where he first learned about molten salt reactors.

**Matthew Lish** (You may have seen his presentation at the WIN National Conference in July) earned his B.S. in chemistry at the University of North Carolina and his Ph.D. in nuclear engineering at the University of Tennessee, concentrating in nuclear system dynamics, instrumentation, and control systems. Dr. Lish has experience in dynamic modeling of a variety of types of nuclear reactors and their instrumentation and control systems, as well as advanced diagnostic and prognostic techniques for equipment monitoring.

**Kurt Harris** earned his Ph.D. in mechanical engineering from Utah State University, where his research focused on the development of techniques for the measurement of thermal properties of advanced materials. Dr. Harris was introduced to supercritical CO<sub>2</sub> while working at the Center for Space Nuclear Research, and has been developing Flibe Energy's power conversion system since he joined the company.