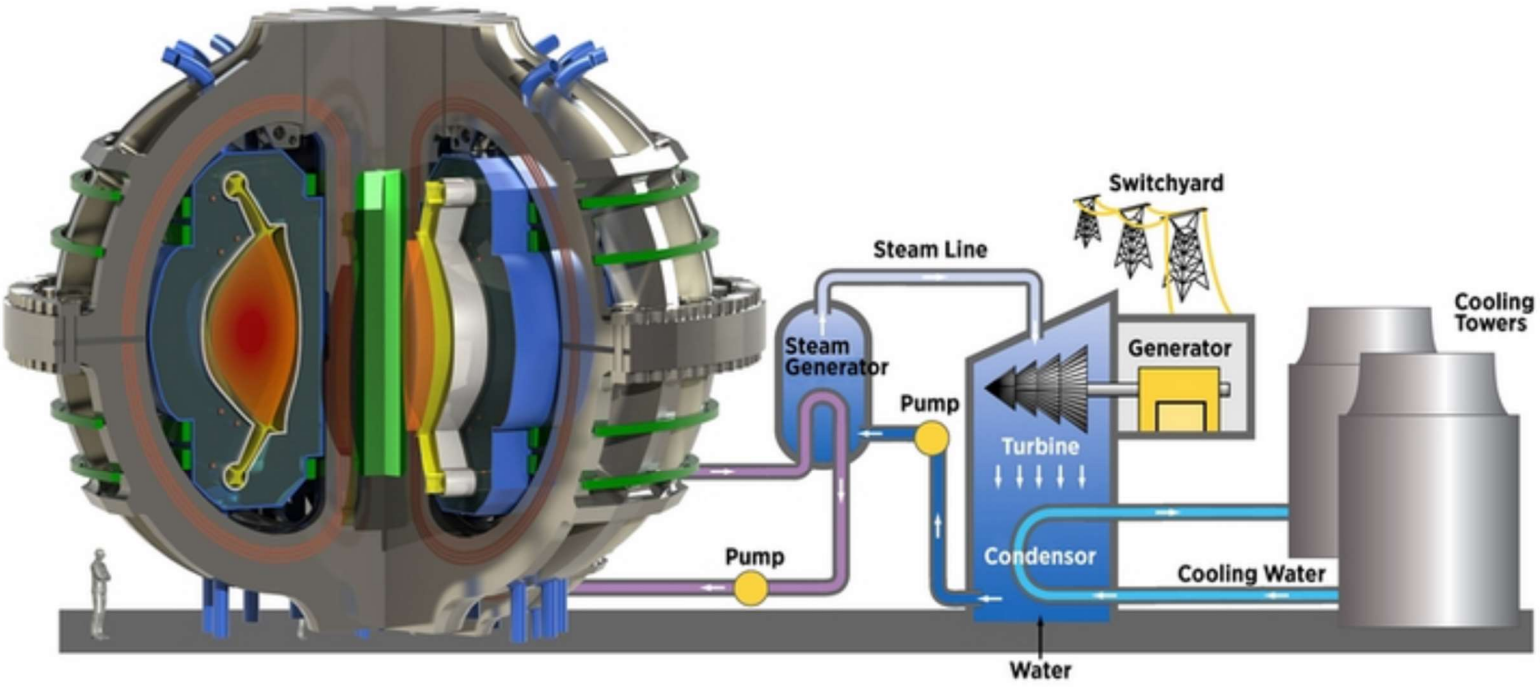

Fusion Energy

February 14, 2023, 4 pm PST

Live Stream Seattle Washington

Nuclear Fusion has advanced significantly in the past 20 years from a university-driven, academic, government-funded field to a private, privately funded industry. Today there are more than 30 firms around the world with stated plans to build the world's first power producing fusion power plant. These companies have raised over 5 billion dollars in private capital and in November 2021, private investment into fusion surpassed government funding into fusion for the first time in US history. Certainly, many of these firms will fail, due to the high risk, but if one firm succeeds it would offer the world a fundamentally new energy source. NLF Consulting was founded in 2018 to help investors understand the field of nuclear fusion. The firm assembles teams of fusion subject matter experts (mostly retired staff from academia, government laboratories and industry) to assess the quality of startup pitches on behalf of investors. NLF has worked with Honda, Westinghouse, the Naval Research Laboratory, and other organizations to navigate this space. In this talk, the founder of NLF will walk through the kinds of questions that investors ask when evaluating fusion as an investment opportunity and will lay out good resources (books, etc..) for outsider who are trying to get involved with this field. The talk will also discuss the broad industry trend of adding superconducting wire and magnet to existing fusion approaches and what that means for future fusion devices.

Dr. Matthew Moynihan

Dr. Moynihan has devoted over 16 years into understanding and communicating nuclear fusion. He believes we need fusion power to stave off the worst impacts of climate change. He has authored 50 fusion articles for the general public, with over 4 million impressions. His consulting firm (www.newlightconsulting.net) offers insight to private investors trying to understand nuclear fusion. He assembles teams of experts to meet the specific challenges of the job. He also assists small fusion teams in winning government proposals. His consulting firm is a member of the Fusion Industry Association and Dr. Moynihan sits on multiple committees. His fusion content has appeared in: CNBC, IEEE Spectrum, Forbes, Merger markets, The Boston Globe, The UK Daily Mail, Bloomberg News, The Space Show, Industry Tap and on 90.1 KZSU Stanford. In 2018, he was named a Quora Top Writer on the topic of Nuclear Fusion, with over 500 answers and over 1 million impressions. He is currently co-authoring a popular science book on nuclear fusion, for Nature-Springer. In 2022, he was asked to testify on this industry's impact on Pennsylvania, at a PA House of Representatives' Policy Hearing and invited to brief a 3-star Army General on fusions' impact on the Army of 2040. He also hosted a popular fusion podcast (www.thefusionpodcast.com) and ran a nuclear fusion shark tank for investors and fusion companies (www.nuclearfusionsharktank.com). Further back, he had a popular fusion blog while he was in graduate school. He holds a PhD focusing on Inertial Confinement Fusion, from the University of Rochester Laboratory for Laser Energetics. Part of my PhD worked with Computational Fluid Dynamics (CFD) on the mass production of ICF targets for the National Ignition Facility. He was also a Senior Nuclear Engineer for the US Navy, working on the safety of nuclear submarines. His work was focused on doing Probabilistic Risk Assessment (PRA) by modeling a Loss of Coolant Causality (LOCC). He was an NCAA D1 cross country runner at the University of Buffalo and studied chemical engineering in college. He is also a husband and father.

Register at: https://events.vtools.ieee.org/m/342241 Mike Brisbois | 708.668.5488 | mike.brisbois@ieee.org