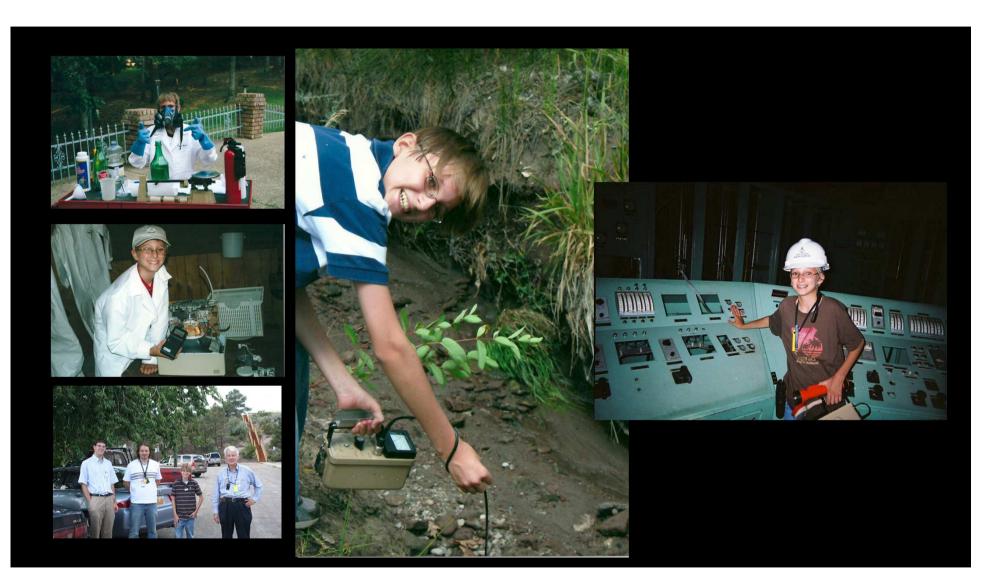
The Boy Who Played With Fusion

JAIF Annual Conference 2018 Tokyo, Japan







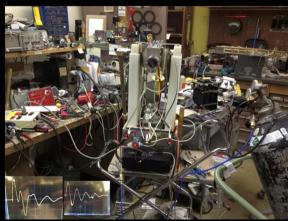




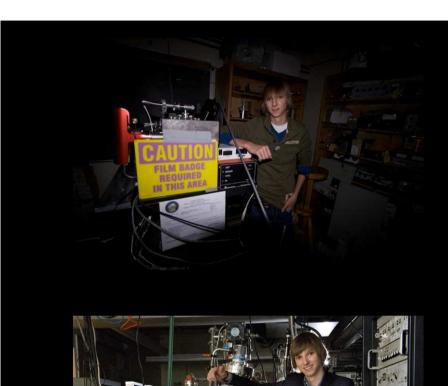




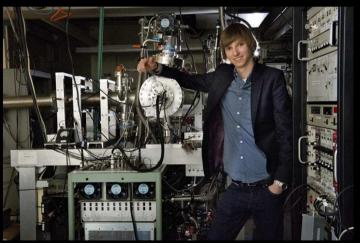


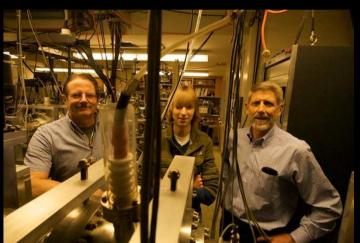






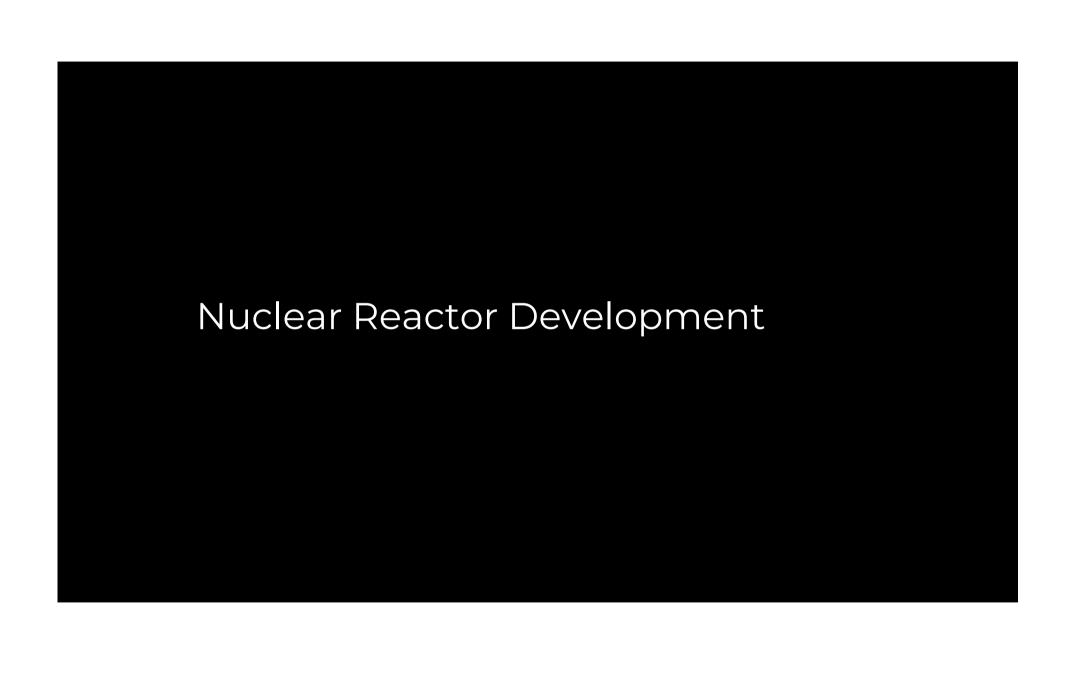






Active Research Programs

- Radiobiology
- Radiation Synthesis of Materials
- Space and Planetary Science
- Photonics
- Advanced Materials
- Nanoscale Engineering
- Robotics
- Energy Storage and Transmission
- Isotope Geochemistry
- Arms Control and Nonproliferation



Modular Passively Safe Nuclear Battery

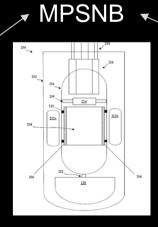
Design Fundamentals

- 0.5 to 50 MWth (Megawatts Thermal)
- Molten Salt Coolants
- High Temperature Ceramic Core Construction
- Heat Transfer via NaK Heat Pipes
- Advanced Ceramic Fuel Form

Development Approach

Advanced Simulation and Modeling

Rapid Iterative R&D



Advanced Materials and Manufacturing Techniques

