NEUP Integrated Research Project Workshop 2:
FHR Benchmarking and VVUQ

Thermal Hydraulics Working Group Scope Definition

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Overview

- Introduction of participants
- Overview of agenda
- High level goals of working group
- Solicitation of scope definition
- General instructions/format of sessions
- Discussion

Participant introduction

Overview of WG agenda

DAY 1:

- **FHR university research**
- **Separate effects test (SET) research programs**
- **SINAP TH experiments and modeling progress update**
- **Integral effects test (IET) research program**
- **Additional concerns**

DAY 2:

- **TH WG structure**
- **TH WG path forward**

Main objective of the TH WG

The focus of this working group is on benchmarking thermal hydraulic phenomena in FHRs (and MSRs), specifically passive decay heat removal, salt overcooling and freezing, and enhanced heat transfer structures.

High level goals of TH WG

- What do we want to achieve with the TH WG
- What types of benchmarks do we want to perform?
- What facilities do we want to validate against?
- What is a reasonable timeline?
- Things to keep in mind for the next two days

General instructions

- **Try and stay on topic as much as reasonably possible**
- **Try to maintain schedule as much as reasonably possible**
- **Enjoy and have a good time!**
- **Observers (students) take really good notes!**