IBPSA Project 2: BOPTEST
Task 3 Emulator development
Virtual Progress Meeting
09/10/2024
6:00 AM –7:00 AM U.S. Pacific Time

Participation

	Name	Affiliation
1	David Blum	LBNL
1	Ettore Zanetti	
1	Iago Cupeiro Figeuroa	Dnergy
1	Javier Arroyo	
1	Matthias Van Hove	Danmarks Tekniske Universitet
1	Lucas Bex	KU Leuven
1	Esther Borkowski	DTU
1	Harald Taxt Walnum	SINTEF

Minutes:
  Current Emulator developments
  Multizone Hydronic Simple [Bart, Iago]
    Merged into master!

• Large Office [Yan, Xing] –
  Model has an error at time equal to 0. Hard to solve. Hopefully update in two
  weeks. Iago suggested there might be something divided by time at time=0 that
  crashes the simulation.
• ADRENALIN Emulators and general update [Harald] – competition online.
  Training stage of the competition is ending on Sunday. Some issues on service,
  Harald reached out to Kyle. Some test cases are stopping randomly. Kyle is
  looking into it.

• DOPTEST [Javier]
  Javier met with the KU Leuven team. Conclusion is that Modelica development
  will be kept in MOPED repositories. Javier will instead move DOPTEST specific
  functionalities and put it in a separate repository. No action was done yet.
• Twozone Apartment Hydronic [Ettore]
    No updates.

In person meeting discussion:
David will send an agenda soon. If you have ideas or a presentation to contribute, reach out to ezanetti@lbl.gov. Current discussion ideas for task 3:
- Discuss ongoing issues with test cases development
- Show updates on existing test cases (implementation, naming convention)
- Review process (document and script)
- What are key test cases that are currently missing?
- How to speed up the test case development process?
- Outreach to increase Test case submissions

3 Breakout sessions (1h - 1h:15m) each. One will be in combination with Task 2.

Presentation on pseudo code to test case stress testing review:
- Add "wrapped.fmu.log" to code output in case control sequence crashes simulation
- Add possibility to have user defined control inputs (as constant or time series)
- Convert user defined parameters into a .json file that can go into each test case repository.
- Put script in /testing folder, potentially could be used for CI testing when test case repository will be created.