

IBPSA Project 2: BOPTEST  
Task 3 Emulator development  
Virtual Progress Meeting  
1/09/2024  
7:00 AM –8:00 AM U.S. Pacific Time

Participation

	Name	Affiliation
1	David Blum	LBNL
1	Ettore Zanetti	
1	Javier Arroyo	Wedoco
1	Cas Bex	KU Leuven
1	Guowen Li	Texas A&M
1	Iago Cupeiro Figueiroa	Denergy

Minutes:

**Current Emulator developments**

- Large Office [Yan, Xing] –

No news. Need 2025 budget to start working on it again. Ettore tried to take a look at  $t = 0$  initialization error. Model runs smoothly in Dymola, FMU did not run when imported into Dymola environment.

- ADRENALIN Emulators and general update [Harald] – [competition](#) over.

Harald made PR to [Issue702](#). David is reviewing.

- DOPTEST

[Javier] Waiting until refactor of main repo finished, and then get back to KPIs Disaggregation PR and other issues around DOPTEST workflows development and integration.

[Cas] YARTS (Yet Another Residential Thermal Simulator) not using Open Modelica anymore, instead using Dymola. Dymola reset method in FMUs not working properly. They are going to make it open source soon with different models and KPIs.

- Twozone Apartment Hydronic [Ettore]

No updates. Two Zone Model should be updated with DER and Storage.

- DTU emulators [Matthias]

No updates. They are going to do an experimental campaign on the real buildings and hopefully start development.

- ETS emulator [Kun]  
No updates, Ali still waiting on Visa.

**Comments on BS2025 paper outline**

- Convert section with test case descriptions into a table (Ettore to work on it)
- Iago may provide data for Control use example (both for multi layer use (supervisory vs lo level) and conversion from NLP to integer using thresholds
- Authors are welcome to check out outline and leave comments. Ettore will also tag them to add contributions.