IBPSA Project 2
Online meeting: Task 1 – Events & Project BOPTEST+

24/06/2025

Attendees:

Name	Affiliation
Jaap Neven	KU Leuven, Belgium
David Blum	LBNL, USA
Javier Arroyo	Wedoco, Spain

Agenda.

- Events, workshops, and presentations [15 min]
- Website and other media [15 min]
- Project BOPTEST+ [15 min]
- Miscellaneous [5 min]

Events, workshops, and presentations.

- **2025/05/13 → Presentation at the Building Digital Twin International Congress**. Took place in Barcelona. Laura Zabala presented BOPTEST there. They are in the early stages, but Laura has already seen some potential synergies with BOPTEST.
- **2025/06/02 → BOPTEST v0.8.0 released**. BOPTEST service and Gym need to follow this update. Service also needs other AWS-related edits for new requirements. Service update will likely be addressed next week. We wait for the Service and Gym updates to make a LinkedIn post.
- **2025/06/11 → 4th Project 2 research webinar at IBPSA Webinar Series**. Topic: Introducing Autocontrol and Terion. Two presentations took place:
    1. Ziqi Hu introduces AutoControl, an end-to-end fully automated workflow which uses Large Language Models (LLMs) to automatically design and generate Proportional-Integral (PI) controller codes.
    2. Bertrand Kerres demonstrates how Terion iterates MPC controller development in Julia using BOPTEST, covering both the model learning and the optimization step. Webinar recording here.
- **2025/??/?? → 5th Project 2 research webinar at IBPSA Webinar Series**. Esther not sure whether there will be a last session for this season. The original plan was to run the webinar for 1 year.
- **2025/??/?? → CCAI Summer School**. Javier contacted the organizers but didn't get a response.
- **2025/08/24 → BS2025 in-person meeting and workshop**. Zhe is in contact with conference organizers. It may take place on Thursday after the conference. They're not going to charge us for the room and have confirmed the possibility of making it hybrid. Not yet clear if there will be a fee for online participants.
- **2025/08/24 → BS2025 papers on software and test cases**. Ettore and Dave cannot attend in person but will help with the presentations. Harald and Zhe will be there in person.

Harald presents the paper on test cases, and Zhe presents the paper on IBPSA Project 2 and Software updates.

General note: We should be mindful of where we include any of DOE Labs' affiliations in our posts and presentations. This extends to the BOPTEST+ consortium and project proposal writing.

Website and other media.

Updates to website
Continued updates for project task meetings.
Pending actions:

- Add the latest webinar. Action Javier.
- Don't forget to make posts! Action Javier to create a post on the latest webinar and version release, others to repost.
- Website documentation: Needs multiple updates here and there. Particularly to remove those sections that are deprecated. Distinguish between the technical implementation of custom KPIs and other KPIs. → Not addressed.
- Results Dashboard: add a dashboard summary and a link to it. → Not addressed.
- Results Dashboard: Address question from Jaap: new MPC in two-zone apartment hydronic testcase. There are previous results for that test case from Dave and Ettore (here). Jaap checked dashboard website but blank, wondering if there is an active community platform where developers actively share their KPIs, or if this is still in development. The dashboard should be our way of sharing results. The current live dashboard is functional: you can sign up and populate it with results, but still not populated.
  The way is implemented by the subcontractors is very rigid with the data structure. With the current implementation we cannot guarantee the data to be persistent. Put time into refactoring the database behind the dashboard to make it more flexible, but not a priority now. Dave is willing to share results with Jaap on the two-zone apartment hydronic test case.

Project BOPTEST+

Next dedicated meeting will take place on Thursday June 26th.