

On-line Training Webinars (updated September 30th 2020)

The present situation (Spring 2020) that the Coronavirus has created, concerning travelling and accommodation, has made the DYNASTEER board to decide that it will support on-line training. It will do so by organising a series of webinars during September (on Wednesday each week from 10-12 h). Each webinar will be composed of two lectures and introduce an exercise using benchmark data that will be made available to the participants for training. Below a brief description is given for each webinar.

Title: DYNASTEER On-line Training for *Dynamic Calculation Methods for Building Energy Performance Assessment*

What is in for you? Having attended to the webinars the participant will be able to understand the topic of dynamic analysis applied to in-situ measured data series, the basic mathematical and statistical analysis techniques, applicable software and benchmark data to build a level of skill.

How to register for the on-line training webinars? Registration is required to attend the webinars. Note that all attendees must register for each of the five webinars separately. Further information about the webinars, lecturers and contents will be announced on the DYNASTEER web-site www.dynastee.info There will be no fee to attend the webinars.

1. DYNASTEER On-line Training for Dynamic Calculation Methods for Building Energy Performance Assessment | Webinar 1: Completed
2. DYNASTEER On-line Training for Dynamic Calculation Methods for Building Energy Performance Assessment | Webinar 2: Completed
3. DYNASTEER On-line Training for Dynamic Calculation Methods for Building Energy Performance Assessment | Webinar 3: Completed
4. DYNASTEER On-line Training for Dynamic Calculation Methods for Building Energy Performance Assessment | Webinar 4: Completed
5. DYNASTEER On-line Training for Dynamic Calculation Methods for Building Energy Performance Assessment | Webinar 5: Completed

Programme.

Webinar 1; 30 minutes; 2 September 11:00 – 11:30

A short introduction webinar, presenting briefly DYNASTEER and its history, outdoor experimental activities, training of analysis techniques and the proposed series of webinars as a substitute for the Summer School 2020, reflecting the Summer Schools held from 2012 until 2019.

Webinar 2; 9 September 10:00 – 12:00

Introduction to a general approach to the application of analysis techniques for thermal characterisation of building components and performance assessment of buildings.

Introduction to dynamic calculation methods and quick overview of the software tool LORD.

The aim is to build confidence in analysis. As an training, an easy, conduction-only exercise with simulated data will be proposed (result is given to the participants to gain confidence).

Webinar 3; *16 September 10:00 – 12:00*

Introduction to measured data, instrumentation and sensors in relation to building physics and energy performance. What is important to know?

Presenting the experimental set-up and measurement of the Plataforma Solar de Almeria data series 16, 17. An overview will be given of available data and analysis topics, including brief examples. An exercise is proposed to study the analysis with and without solar radiation.

Webinar 4; *23 September 10:00 – 12:00*

Introduction to discrete time and continuous time methods (CTSM-R) and models together with statistical tools. Combining two disciplines; building physics and mathematical techniques.

Application to exercise using PSA data series 16, 17. An overview will be given of the applied data and analysis with CTSM-R.

Webinar 5; *30 September 10:00 – 12:00*

All participants are invited after the 4th webinar to submit by e-mail questions on the presented subjects and give feedback on the webinars. A moderator will review the questions and make a compilation that will be discussed during this last webinar.

As an extra exercise, the in-situ wall measurement is proposed. This is the >25 years applied data from a reliable outdoor measurement of a wall.

The **Summer School** organisers have decided to move the weeklong Summer School 2020, scheduled in September 2020 in Almeria, to **June 2021**.

Feel free to contact mjose.jimenez@psa.es or hans.bloem@inive.org to be placed on the Summer School mailing-list and you will receive further information as soon as available.