

Outcome of Summer School 2013 that took place 9-13 September in Almeria, Spain

The second edition of the DYNASTEES Summer School on **Dynamic Calculation Methods for Building Energy Assessment** has been another very successful event with more than expected participants (36 students from 10 EU and 3 non-EU countries, China, India and Canada). The week-long Summer School was devoted to daily lectures by 5 lecturers on building physics and theory of time series analysis as well as plenty of time to guided exercises for improvement of skill of the students.

The ambience of Mediterranean climate, the high quality of the organisation and the sympathy of the student group made the outcome of the whole week, very positive and made the organisers conclude to organise a third Summer School in 2014 (follow us on [www.dynastee.info](http://www.dynastee.info) ). The requirement of a dedicated book on the lectured topics available at the next edition (probably before Summer 2014) was emphasised as well as the importance of the Open Source software tool environment **R** for future work on the application of dynamic mathematical techniques for energy performance assessment. One of the applied tools, **CTSM-R**, is partly an outcome of DYNASTEES and PASSYS initiatives.



*Group picture taken at mini-Hollywood (cowboy-city) near PSA-Tabernas.*

The students were lectured on building physics as well as the applied mathematical and statistical techniques to basic building energy transfer problems. The problem, how to translate a physical energy system into mathematical equations and to assess the corresponding parameters was addressed and the dynamic methodologies were discussed. An in-situ wall exercise was provided and a simple building energy study also for a common approach while applying R-scripts for solving the mathematical equations to assess the thermal characteristics of the parameters in subject.