

LECTURERS:

Dr. Ana Inés Fernández
Universitat de Barcelona, Spain

Dr. Mercè Segarra
Universitat de Barcelona, Spain

Dr. Pablo Gamallo
Universitat de Barcelona, Spain

Dr. Rodrigo Ramirez Pisco
UNIBA, Spain

Prof. Luisa F. Cabeza,
Universitat de Lleida, Spain

Dr. Alvaro de Gracia
Universitat de Lleida, Spain

Dr. Gabriel Zsembinski
Universitat de Lleida, Spain

Dr. Dieter Boer
Universitat Rovira i Virgili, Spain

Dr. Helena Navarro
University of Birmingham, UK

Prof. Yulong Ding
University of Birmingham, UK

Dr. Camila Barreneche,
Universitat de Barcelona, Spain

VENUE



Universitat de Barcelona
Faculty of Chemistry
Polyvalent Laboratory
c/Martí i Franquès 1 (main floor).
08028 Barcelona



FEES

There is a cost of 230€ (tax included) for each participant to cover administration costs, and coffee break, lunch and dinner expenses. If your institution is partner or associate partner of the INPATH-TES network, you will have a fee discount. Please, ask to our contact person.

Information on hostels, hotels and travel to Barcelona is available by emailing the contact person.

APPLICATION

Application to attend the Training School should be registered by sending a completed application form to:

materials4tes@ub.edu

POSTER SESSION

Assistants to the Training School have the opportunity to share their research results by preparing a poster and they will have some minutes for a short presentation of their TES scientific work.



TRAINING SCHOOL:



UNIVERSITAT DE
BARCELONA



MATERIALS FOR THERMAL ENERGY STORAGE – MATERIAL SELECTION, OPTIMIZATION & CHARACTERIZATION

Dates: 20-21 May 2019
Universitat de Barcelona
Barcelona, Spain



Monday, 20 May 2019

09.00 Registration of participants

09.30 Welcome

09.45 Presentation of Host Institution: DIOPMA

10.00 Presentation of the INPATH-TES project and Network

10.15 Introduction to Energy Storage

11.00 Coffee break

11.30 TES technology framework

12.30 Materials for thermal energy storage (TES)

13.30 Lunch

15.00 Requirements and constraints of TES materials

15.30 TES materials enhancement

16.00 Coffee break

16.30 Artificial intelligence

17.30 Introduction of heat transfer in TES

20.00 Dinner

Tuesday, 21 May 2019

09.00 Materials Selection for TES

10.00 Use of the CES Edupack software for TES materials selection

11.00 Coffee break

11.30 Multiobjective optimization of TES systems

12.30 Molecular dynamics tool for TES materials

13.30 Lunch

15.00 Characterization of materials for thermal energy storage I: thermal characterization

15.45 Characterization of materials for thermal energy storage II: chemical characterization

16.30 Coffee break

17.00 Characterization of materials for thermal energy storage III: physical characterization

18.00 Training school closing and presentation of certificate

APPLICATION FORM:

Please, to register to Materials4TES training school apply to the following link:

<https://goo.gl/forms/E195uldYrPKWBzcO2>

Title:

Family Name:

First Name(s):

Organisation:

Department:

Country:

Email:

Main research area:

Academic Advisor:

Please inform us of the topic you are most interested in: