

# Cátedra Energias Renováveis/Renewable Energies Chair

**Scientific Council**  
M. Collares Pereira, A. Heitor Reis, J. Chaves (LPI),  
J. Farinha Mendes (LNEG), P. Canhoto, A. Joyce (LNEG),  
E. Lorenzo (UPM), L. Narvarte (UPM), M Silva (U. Sevilha)

**Board**  
**Chairman:** Pedro Horta  
**Members:** D. Canavarro, L. Fialho, L. Guerreiro, T. Osório

**Science Management**  
C. Toureiro

## R&D Units

**CSP Performance, Systems Operation and Solar Irradiation**  
Responsible: P. Horta  
Members: R. Conceição , A. Cavaco (IPES), F. Lopes

**Advanced Optics**  
Responsible: D. Canavarro  
Members: A.Vitor, G.Delgado

**Thermal Energy Storage and New Materials**  
Responsible: L. Guerreiro  
Members: F. Felizardo

**Testing and certification of solar thermal systems and components**  
Responsible: T. Osório  
Members: A. Cavaco (IPES), R. Silva, T. Eusébio, J. Pereira

**Systems engineering and PV systems**  
Responsible: L. Fialho  
Members: A. Foles, C. Pires, D. Duarte

CSP and dispatchable electricity

New Point focus concentrators

New storage concepts

Tests and standards

Water and agriculture interfaces

Solar resource evaluation and Long term statistics

Linear concentrators

STE system simulation and integration

Product development

Electrical energy storage

Forecasting and Nowcasting

Secondary optics

New fluids and New Materials Development

Systems and applications (IPH, Drying, others)

BIPV

Soiling: Long term behavior of special components

Design methods and tools

Component Testing and Demonstration

Solar Cooking

Design methods and tools

## Research Infrastructure

### Scientific Coordination: Board

**Site I**  
PECS: Solar Concentrators Testing Platform  
Scientific responsible: T. Osório  
Members: A. Cavaco (IPES), R. Silva, T. Eusébio, J. Pereira

**Site II**  
EMSP: Évora Molten Salt Platform  
Scientific responsible: P. Horta  
Members: L. Guerreiro, D. Golovca, A. Vinagre, P. Martins, F. Felizardo, C. Rodrigues, P. Feijão

**Sites III, IV**  
PV + Advanced Batteries  
Vanadium redox site and Li-Ion site  
Scientific responsible: L. Fialho  
Members: A.Foles, C. Pires, D. Duarte

**Site V**  
DNI + Now-Forecasting  
Scientific responsible: A. Cavaco (IPES)  
Members: R.Conceição, F. Lopes

**Procurement, Engineering and Management**  
Responsible: D. Golovca  
Members: A.Vinagre, P. Martins