

# One Week Introductory Course Concentrating Solar Thermal Technologies

- **The training programme** is designed to cover five strategic areas in the field of Concentrating Solar Thermal technologies and will be provided by international experts.
- **Public:** This course is designed for graduate students (Masters and PhDs). This is also open to professionals from CSP companies and any interested stakeholders willing to acquire strategic knowledge in the field.
- **Dates:** 5 days – 16-20 October 2017      **Location:** University of Seville, Spain
- **Registration deadline:** 15 September 2017 (contact us for more information)
- **Registration fees:** None – Each participant pays for its own travel, accommodation and food

## Day 1 - General Introduction

- 1.1 Context – Energy and Future
- 1.2 Concentrating Solar Thermal Energy (encompassing Solar Thermal Electricity (STE), Solar Fuels, Solar Process, Heat and Solar Desalination)
- 1.3 Introduction to the different concentrating solar technologies (CST). State of the art and overview of the components and plant

## Day 2 - Solar Thermal Power Plants Pre-design And Site Selection

- 2.1 Plant pre-design
- 2.2 Site Selection

## Day 3 - Alternative Applications For High And Medium Temperature

- 3.1 Desalination
- 3.2 Medium temperature for industrial processes
- 3.3 Solar fuels (hydrogen, syngas...)
- 3.4 Solar chemistry

## Day 4: Storage And Hybridization

- 4.1 Current storage technologies
- 4.2 Upcoming ideas and concepts (prototype stadium)
- 4.3 Hybridization concept and design
- 4.4 New concepts
- 4.5 Case study

## Day 5: Trends In Ste Rd&i To Reduce The Cost Of Solar Thermal Electricity

- 5.1 Current market and trends
- 5.2 Cost and value of solar thermal electricity
- 5.3 Value chain and related costs
- 5.4 Advanced Plan designs
- 5.5 Hybridization
- 5.6 O&M Issues

<http://www.stage-ste.eu>

Contact for registration: [anastasiya.badziaka@promes.cnrs.fr](mailto:anastasiya.badziaka@promes.cnrs.fr)

STAGE-STE is an Integrated Research Programme (IRP) that engages all major European and international research institutes, with relevant and recognized activities on STE and related technologies. The aim of the project is to make STE a major technological global player in the medium to long term. This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 609837

