

# MaTISSE Workshop on Structural Materials for future Energy Systems

**Dates:** November 25-26, 2015

**Location:** Institute for Energy and Transport, Petten, The Netherlands

## **Objective:**

Materials, structural as well as functional, are key for the development and implementation of low-carbon, clean, efficient and reliable energy technologies. Although the different energy systems such as renewables (e.g. wind, concentrated solar, photovoltaics), nuclear and "clean" fossil technologies, have different challenges, there are also many cross-cutting issues and needs. The purpose of this Workshop, organized as part of the EU funded 7<sup>th</sup> Framework project MaTISSE, is to discuss the present status of structural materials research and development for future energy systems and in particular to identify common topics and sharing knowledge between different energy technologies.

## **Organization:**

The Workshop is a two day event. It will be organized around four cross-cutting issues:

- High temperature applications:
  - Steels and metallic alloys,
  - Ceramics;
- Liquid metal/metal (or other) compatibility;
- Design Codes;
- Advanced steels – development and manufacturing.

Each session will consist of invited keynote speakers from two different energy technologies and presentations of associated research in European projects. The keynote presentations will be 30-40 minutes including questions whereas the other presentations will be 20 minutes including questions. A final wrap-up session will be dedicated to identifying joint research activities across different energy technologies.

## **Audience:**

The Workshop is targeting stakeholders from research organizations, academia, industry and national and international funding organizations.

## **Organizing Committee:**

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