

## **Schedule for Light Trapping Course at IFE, spring 2015.**

When: 24th and 25th of June 2015

Where: Institute for energy technology (IFE), Kjeller (outside Oslo), Norway

We would like to welcome you to attend the IFE Light Trapping Course 2015. The 2-day course will cover a broad range of topics related to light trapping in solar cells, with a focus on crystalline silicon solar cells. There will also be ample opportunities for questions and discussions. The course is free of charge for CHEETAH participants.

Please register by mail to [merete.estensen@ife.no](mailto:merete.estensen@ife.no), by **1st of June**. If you have questions regarding the content of course, please contact [josefine.selj@ife.no](mailto:josefine.selj@ife.no)

### **DAY 1, Wednesday June 24th**

**Session 1** - Introduction to light trapping in solar cells

**Session 2 & 3** – Introduction to Phenomena involved in light trapping: Interference, Scattering, Reflection, Diffraction, Refraction, and Plasmonics

**Session 4** - Light trapping regimes and definitions

**Tour of the IFE labs**

**Dinner**

### **DAY 2, Thursday June 25th**

**Session 1** - Textured surfaces, Optical path enhancement, ray tracing

**Session 2** - Diffractive gratings and dielectric reflectors

**Session 3** – Plasmonic solar cell concepts

**Session 4** – Black silicon solar cell concepts

**Session 5** - Light management in solar modules

**Session 6** - Summary, conclusions and discussion