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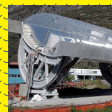
Research program of the Swiss Federal Office of Energy (SFOE)

SYMPOSIUM 2010 - Interaction between industry and research in Switzerland

Wednesday, 27th October 2010, Neuchâtel, 13:00 – 17:00

Swiss Center for Electronics and Microtechnology, Inc. (CSEM), Neuchâtel

INDUSTRIAL HIGH-TEMPERATURE SOLAR ENERGY



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SYMPOSIUM 2010 TARGETS

During a workshop in 2007 and the first national conference on CSP (Concentrating Solar Power) in 2008, the following elements have been defined:

- Identification of Swiss industries and research institutes assets in various technological fields and for the different components of CSP and drawing up of the most buoyant niches that are particularly worth;
- Evaluation of the world market evolution of the CSP and presentation of Swiss projects and technologies (scientific research and industries).



Within the national conference of 2009 the topic has been enlarged on the whole research program including, besides the CSP for direct electricity production, the solar chemistry (e.g. solar hydrogen) and the heat production for industrial process.

The objectives of the present symposium are on the one hand to present the interaction between industry and research and on the other hand to create an industry cluster on industrial high temperature solar energy in Switzerland. The questions to answer are the following:

- What expects the industry from the research and vice versa?
- With which importance, at which level and when exactly is it desirable to implicate the industry in the research?

The following themes will be treated (for more details see the symposium program):

- CSP Technology Roadmap of the AIE – Pierre Renaud, Planair SA;
- Interaction between industry and research within the ETHZ and PSI projects – Aldo Steinfeld, ETHZ-PSI;
- Swiss projects and technologies by the industry and scientific research institutions
- Discussion on the research program including new projects proposals.

**The symposium is free of charge and open to all interested persons.
The registration is mandatory.**



Swiss Center for Electronics and Microtechnology, Inc. (CSEM)
Rue Jaquet-Droz 1, CH-2002 Neuchâtel
Wednesday, 27th October 2010, Neuchâtel
13:00 – 17:00

INDUSTRIAL HIGH-TEMPERATURE SOLAR ENERGY

SYMPOSIUM 2010 PROGRAM

- 13h00 Arrival of the participants, coffee
- 13h30 **Welcome speech**
Florence Amez-Droz, *Head of Corporate Communications CSEM*
- 13h45 **Introduction of the conference**
Stefan Oberholzer, *Head of the research area «solar energy» by the SFOE*
- 13h50 **CSP Technology Roadmap**
Pierre Renaud, *Head of the research program «industrial high-temperature solar energy» and Director of Planair SA*
- 14h00 **Present and future R&D projects for concentrated solar power, fuels, and materials**
Aldo Steinfeld, *Professor ETH Zurich and Head of the Solar Technology Laboratory at PSI*
- 14h30 **Presentation of the Swiss Pole of Solar Technology**
Daniele Oppizzi, *President of the Swiss Pole of Solar Technology*
- 15h00 **Discussion**
- 15h15 Coffee break
- 15h45 **Presentation of Swiss projects and technologies**
- Anton Meier, *PSI-ETHZ*, Towards Industrial Solar Production of Zinc and Hydrogen;
 - Andrea Pedretti, *Airlight Energy Holding SA*, SolAir project;
 - Cristoforo Benvenuti, *SRB Energy Research*, SRB innovative collectors and Colas project;
 - Andreas Bohren, *HSR-SPF*, Test and measure methods, qualification and characterization of CSP components.
- 16h45 **Next steps and new projects**
- 17h00 **End of the workshop**

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INDUSTRIAL HIGH-TEMPERATURE SOLAR ENERGY

CSEM Neuchâtel - Headquarters

Swiss Center for Electronics and Microtechnology, Inc. (CSEM)

Rue Jaquet-Droz 1, CH-2002 Neuchâtel

Room «La Musicienne», JD1 (on the ground floor)

Wednesday, 27th October 2010, Neuchâtel

13:00 – 17:00



By train and walk – about 10 minutes

- Exit Neuchâtel train station opposite the post office, passing the FSO/OFS tower, and follow rue du Crêt-Taconnet;
- At the roundabout, go straight on (along rue de Bellevaux) and at the next cross-roads, follow rue Jaquet-Droz;



- CSEM's main entrance is located on the corner of rue Jaquet-Droz and rue de la Maladière.

or take public transport

- In Neuchâtel train station, go down the escalator or steps from the main hall, and take the «fun'ambule» funicular (direction Université);
- On arrival at the «fun'ambule» end-station (one stop), walk up the second set of stairs on your left, and take bus no. 1 (direction Marin);
- Get off at Bas du Mail and cross the road; CSEM's main entrance is front of you.

By car

- On highway A5/N5, follow direction Neuchâtel and take highway exit no. 13 (Neuchâtel Maladière);
- At the roundabout, follow direction Neuchâtel and Gare CFF;
- At the next roundabout, take the first exit on your right (direction Gare CFF);
- At the traffic light, turn right into rue de la Maladière and then left into rue Jaquet-Droz, you can now see CSEM on your left.