



## Invitation

### SWEDISH - FINNISH FLAME DAYS January 26-27, 2011

“Challenges in Combustion Technology today”

The National Committees of Sweden and Finland of the International Flame Research Foundation (IFRF) and the Scandinavian-Nordic Section of the Combustion Institute are organising Flame Days 26-27 January 2011 in Piteå, Sweden.

#### **ORGANIZING COMMITTEE:**

Truls Liliedahl, Swedish Flame (SFRC) and Royal Institute of Technology (KTH).

Rikard Gebart, Swedish Flame (SFRC) and Energy Technology Centre in Piteå (ETC).

Pasi Mikkulainen at Finnish Flame (FFRC) and Andritz Oy.

Anders Brink at Finnish Flame (FFRC) Åbo Akademi University (ÅAU).

Lars- Erik Åmand at Scandinavian-Nordic section of the Combustion Institute (SNCI) and Chalmers University of Technology (CTH).

#### **TOPICS**

The Flame Days will be devoted to research on thermo-chemical conversion (combustion & gasification) of fuels that is a challenge for the future development towards a sustainably society. The Flame Days are organised by dividing the oral presentations into following topics:

**Multifuel Combustion**

**Gasification**

**Oxyfuel Combustion**

**Engines and Gas Turbines**

The topic areas will be started by keynote lectures with invited speakers that will talk about:

#### **KEY NOTE SPEAKERS:**

Lars-Erik Åmand, “*Multi-Fuel Combustion in Fluidized Beds – Synergy Effects*”, Chalmers University of Technology.

Rikard Gebart, *Swedish Research on Forest Biomass Gasification and Syngas Conversion into Second Generation Motor Fuels*, Energy Technology Centre in Piteå (ETC).

Klas Andersson, “*Pollutant Formation in Oxy-Fuel Combustion*”, Chalmers University of Technology.

Marie Anheden, *Scale-Up and Road to Commercialisation of Oxy-Fuel Technology*, Vattenfall Research and Development.



*The Swedish and Finnish National Committees of the  
International Flame Research Foundation – IFRF*

## EXCURSION:

During the afternoon Thursday January 27 there will be a study visit (bus tour) at:

- Sunpine diesel from tall oil – factory
- Solander Science Park
  - Bio-DME from black liquor through gasification
  - Gasification research at Energy Technology Centre in Piteå (ETC)

## LOCATION:

The Flame days will take place at the Pite Havsbad conference centre located just outside Piteå, Sweden.

Piteå may easily be reached by air or train. The nearest airport is the Luleå airport .

## ACCOMMODATION:

A number of rooms are preliminary booked for the participants of the Flame Days at the Pite Havsbad Conference Hotel. For information on the conference centre, please check the web address: <http://www.pite-havsbad.se/>. Please contact the hotel directly to make your reservation (phone: +46 911 32700, or e-mail: [info@pite-havsbad.se](mailto:info@pite-havsbad.se) . Use the ref. no. ETC 103187 when making the reservation.

## CONFERENCE FEE:

The conference fee is **2500 SEK** for members of IFRF and the Combustion Institute, university employees and PhD students. The conference is open to non-members of the IFRF and the Combustion Institute. The conference fee is then **3000 SEK**. Included in the fee is full access to all conference activities, conference proceedings, excursion, coffee & refreshments, two lunches and the conference dinner.

Once we have received your registration, we will invoice you accordingly.

## PRELIMINARY CONFERENCE PROGRAMME:

The language of the conference will be English.

*Wednesday January 26*

07:30		Registration
9:00		<b>Welcome:</b> Truls Liliedahl, Richard Gebart
9:15		<b>Key Note speaker:</b> Lars-Erik Åmand
10:00		Short break
		<b>Parallel sessions</b>
10:15	Multi-Fuel Combustion	Engines, Gas Turbines
13:00		Lunch
14:00	Multi-Fuel, Combustion	Engines, Gas Turbines
15.45		Short break
16.00		<b>Key Note speakers:</b> Klas Andersson, Marie Anheden
		<b>Parallel sessions</b>
17.00	Multi-Fuel Combustion	Oxy-Fuel combustion
18:00		End of sessions



The Swedish and Finnish National Committees of the  
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19:00

Conference dinner

Thursday, January 27

08:30

**Key Note speaker:** Rikard Gebart

**Parallel sessions**

09:20

Multi-Fuel Combustion

Gasification

10:15

Coffee break

10:45

Multi-Fuel Combustion

Gasification

11:45

**Conclusion**

12:00

Lunch

13:00

Excursion to Sunpine diesel from tall oil – factory and  
Solander Science Park

The excursion ends at ≈ 16:30. The buss will thereafter depart to the Luleå Airport.

## FLAME DAYS 2011 REGISTRATION FORM

Name:	
Full address:	
Tel:	
Fax:	
E-mail address:	
Title of presentation, if applicable:	

Member of IFRF or Combustion Institute, university employee, PhD student.	
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Dietary restrictions:

I will participate in the excursion to the ETC gasification premises.

The conference fee is **SEK 2500** for IFRF members, university employees and PhD students.  
For all others, the fee is **SEK 3000**. Included in the fee are all conference activities,  
proceedings, excursion, lunches, conference dinner, and refreshments.

**Please fill in this form for each participant separately,  
by December 31<sup>st</sup>, and e-mail it to:**

**Truls Liliedahl ([truls@ket.kth.se](mailto:truls@ket.kth.se)), tel: + 46(0) 8-790 87 77.**