

## JOINT MEETING OF THE FRENCH AND ITALIAN SECTIONS OF THE IFRF AND THE COMBUSTION INSTITUTE

23, 24 April 2014, Hotel San Ranieri, Pisa, Italy

### FIRST ANNOUNCEMENT AND CALL FOR POSTERS

The French and Italian IFRF Committees and the associated sections of the Combustion Institute propose a joint meeting as an opportunity for all members to exchange ideas and present their recent research. Our aim is to include the widest possible range of combustion applications, with special emphasis on the increasing pressure for research on reaction kinetics, the structures of laminar or turbulent flames, multiphase combustion, new technology concepts, and the impact of alternative fuel use – always with an eye to energy efficiency and carbon dioxide and other emissions and pollutants.

The two days will articulate around invited keynote lectures and poster sessions primarily focused on 4 main topics, selected to stimulate exchanges between modelers, experimenters, chemists and/or physicists.

#### 1. **Towards an accurate modeling of large scale combustion systems**

Numerical modeling of turbulent flame and validation

From small scale to large scale experiments: what gateway in the analysis?

Diagnostics and in-flame measurements

Validation of kinetic mechanisms and simulation of reaction systems

#### 2. **Heterogeneous and spray combustion**

Solid fuels (coal, char, biomass...)

Two-phase reacting flows (experiments, modeling...)

Catalytic combustion

#### 3. **Air-pollution control and environmental impact including CO<sub>2</sub> emissions**

Ultra low-NO<sub>x</sub> concepts

Formation, growth and destruction of soot, PAH and other large molecules

New technology CO<sub>2</sub> reduction concepts for (oxy-flames, fluidized beds etc.)

Modeling of NO<sub>x</sub>, SO<sub>x</sub> and other emissions

#### 4. **Alternative fuels**

Kinetics of alternative fuels, oxygenated fuels

Low calorific values gases

Hydrogen (including safety aspects)

### **Organizing Committee:**

- Sébastien Caillat, CF, French Committee of the IFRF,
- Bertrand Leroux, GFC, French section of the Combustion Institute
- Guillaume Legros, GFC, French section of the Combustion Institute
- Leo Tognotti, Italian Committee of the IFRF
- Tracey Biller, IFRF Headquarters
- Barbara Apicella, Italian section of the Combustion Institute
- Marco Derudi, Italian section of the Combustion Institute

### **Invitation to participate**

- Researchers and PhD students from universities, research institutes and national laboratories
- Representatives from utilities, power plants, boiler manufacturers and equipment suppliers
- Secondary fuels suppliers and users, and supply chain stakeholders

are warmly encouraged to attend, and to submit a poster.

Papers are not invited. Poster Abstracts only should be submitted to IFRF ([info@ifrf.net](mailto:info@ifrf.net)) by **January 31, 2014**. Details of the required format for posters and the associated abstracts will be made available during October.

### **Registration**

The registration fee, covering the two days of the meeting, lunches on both days, refreshments, the conference dinner on 23 April, and the meeting proceedings, is:

- IFRF and Combustion Institute Members €250
- Non Members €500
- Students €50

### **Registration deadline: 31 March 2014**

See overleaf for the Registration Form and information about the venue and accommodation.

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## REGISTRATION FORM

23, 24 April 2014, Hotel San Ranieri, Pisa

Please complete one form per delegate and email it to [info@ifrf.net](mailto:info@ifrf.net)  
or fax it to +39 0586 200045 by 17h00 on 31 March 2014.

The registration fee is €250 for IFRF and Combustion Institute members, €50 for students and €500 for non-Members and covers the meeting, refreshments, lunch on both days, the official dinner and collected poster abstracts.

The fee is payable in advance and an invoice will be issued on receipt of the registration form.

<b>FULL NAME (Title-First Name-Family Name):</b>	
<b>ORGANISATION:</b>	
<b>TELEPHONE:</b>	
<b>EMAIL:</b>	
<b>Student</b>	<b>Yes/No</b> (Please delete as appropriate)
<b>IFRF or CI Member</b>	<b>Yes/No</b> (Please delete as appropriate)
Attending Conference Dinner at Restaurant Reno, 19h30 23 April	<b>Yes/No</b> (Please delete as appropriate – indicate dietary needs below)
Submitting a poster	<b>Yes/No</b> (Please delete as appropriate. Give title below if yes)
Poster title	
<b>Special Dietary Requirements</b>	
Company VAT number (for our invoice)	

## VENUE AND ACCOMMODATION

The meeting will be held in the Sala Cristallo at the Hotel San Ranieri in Pisa:

Via Mazzei 2,  
Zona Cisanello  
56124 - Pisa  
Tel: +39 050 97 1951  
Fax: +39 050 97 19530  
[www.sanranierihotel.com](http://www.sanranierihotel.com)

The hotel is within easy taxi or bus reach of Pisa's **Galileo Galilei Airport** and of Pisa Central Station – see <http://www.sanranierihotel.com/en/how-to-reach-us.html> for details.

### Recommended hotel

Hotel San Ranieri is also our recommended hotel.

A special bed and breakfast rate of €79 per night is being offered to meeting delegates.

Bookings should be made by email directly to the hotel on the link

[https://www.yourreservation.net/tb3/index.cfm?bf=HAPSASAN&iataNumber=WHPROMO4&rateAccessCode=\\*NP04\\$](https://www.yourreservation.net/tb3/index.cfm?bf=HAPSASAN&iataNumber=WHPROMO4&rateAccessCode=*NP04$)

### Other hotels

Grand Hotel Bonanno  
Via F. Gabba, 17  
56122 - Pisa (PI)  
tel. +39 050 524030 / 524044 Fax. +39 050 532072  
Book directly at e-mail: [info@grandhotelbonanno.it](mailto:info@grandhotelbonanno.it)  
<http://www.grandhotelbonanno.it/>

Grand Hotel Duomo  
Via Santa Maria n.94  
56126 Pisa (PI)  
Tel (+39) 050 561 894 / (+39) 050 8250 88 - Fax (+39) 050 560418  
Book directly at e-mail: [info@grandhotelduomo.it](mailto:info@grandhotelduomo.it)  
<http://www.grandhotelduomo.it/>