

Welcome

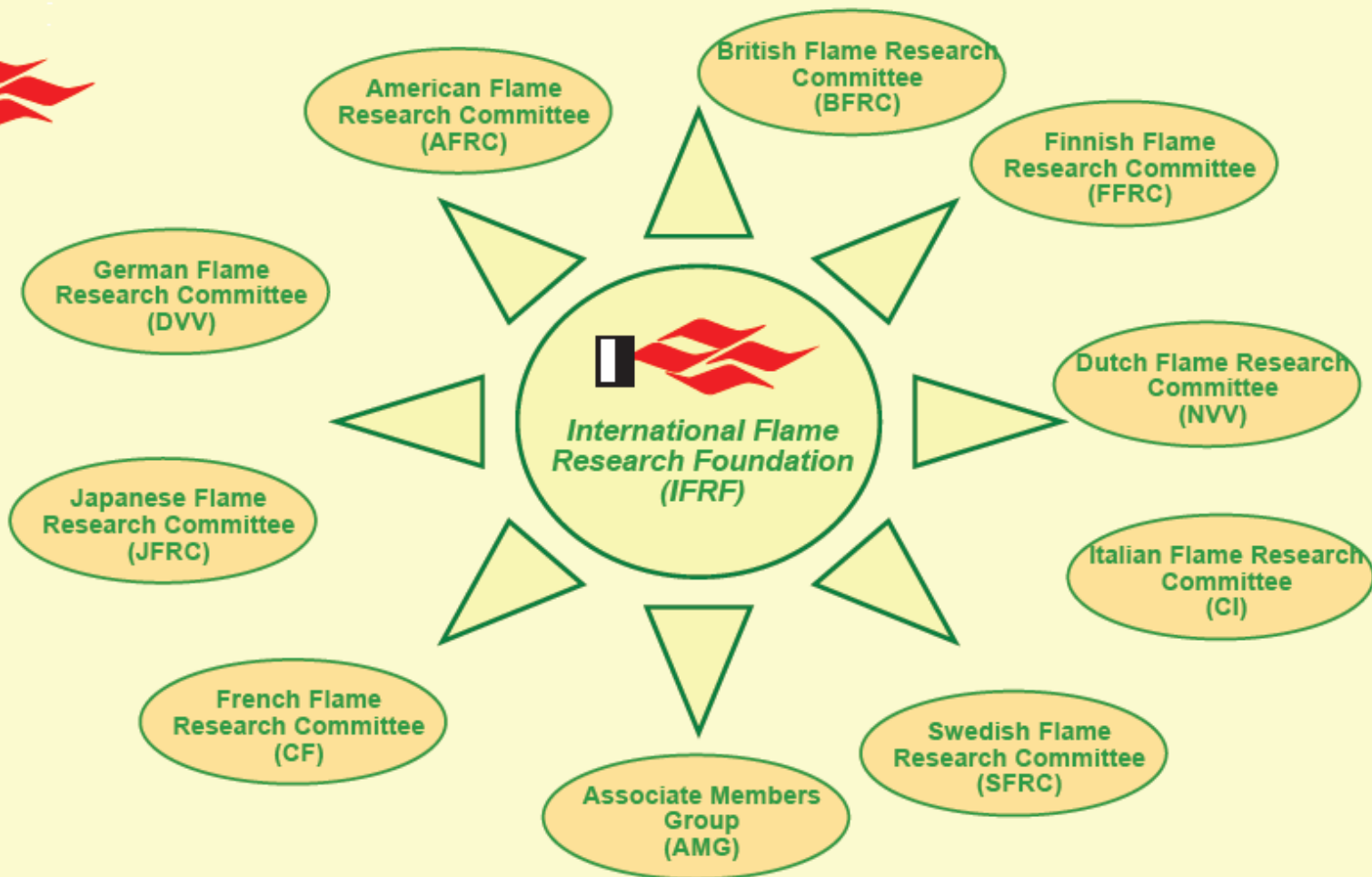
British – French Flame Days 2009

Le Nouveau Siècle - Lille, France

9th and 10th March 2009



Sponsored by the Région Nord-Pas de Calais and IFP



IFRF is a Network of Combustion Related People Around 1200 people in 23 countries



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COMITE FRANCAIS DE LA FONDATION
DE RECHERCHES INTERNATIONALES
SUR LES FLAMMES

Programme of Session 1

Chairman: W. Nastoll

Monday 9th of March 2009

14h00	Corus and the Climate Change Challenge J.D. Massingham -- Corus see page 5
14h30	CO₂ Capture and Storage; technologies and challenges to take up C. Barrere-Tricca & L. Nougier -- IFP see page 7
15h00	Oxy-flame combustion at IFRF, past, present and future L. Tognotti -- IFRF see page 8
15h30	Coffee break



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Programme of Session 2

Chairman: R. Dudill

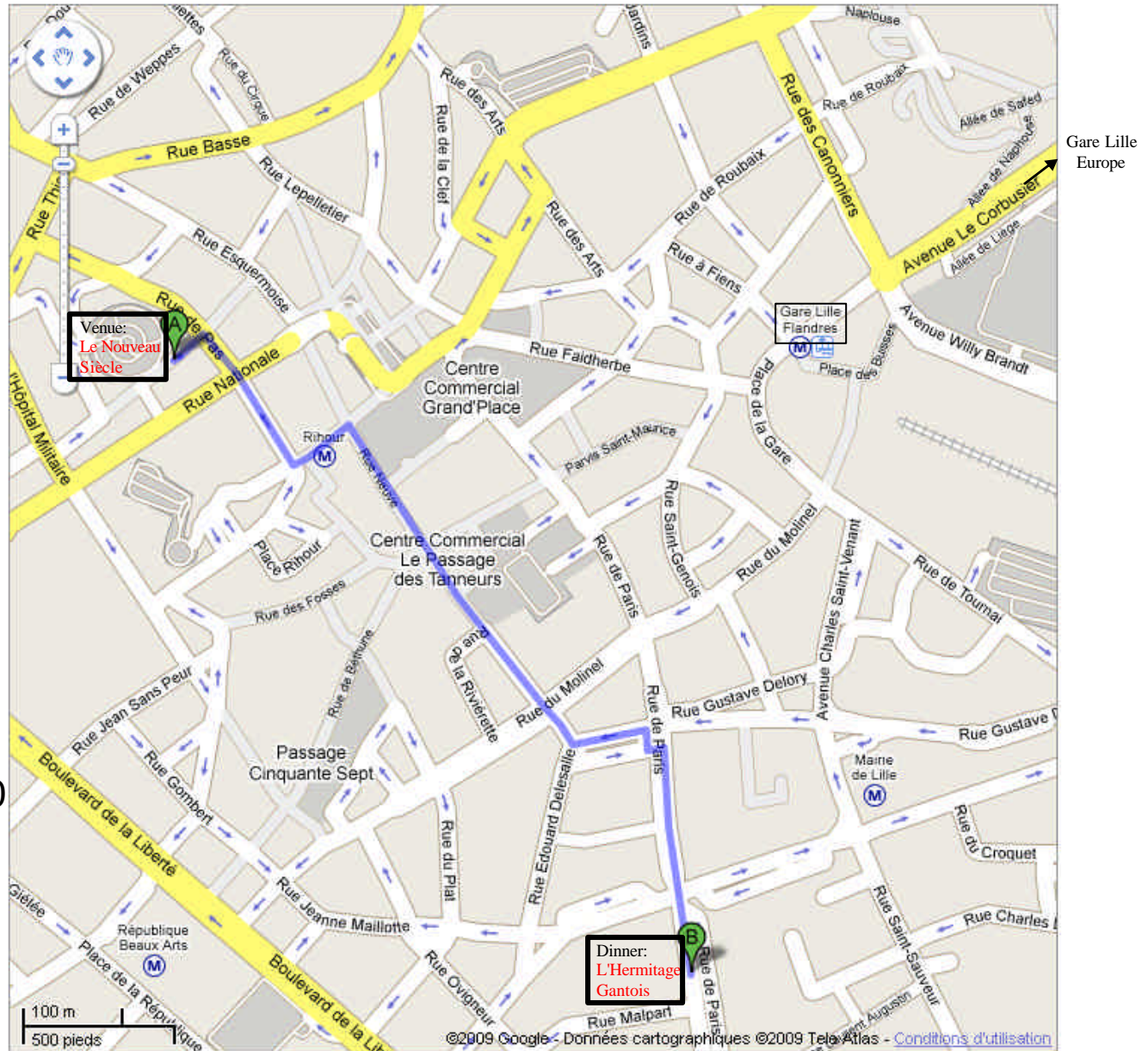
Monday 9th of March 2009

16h00	A Modelling Appraisal of Oxy-Coal Combustion in Utility Power Plant A. Duncan & S. Yousif -- Doosan Babcock C.-G. Sun & C.E. Snape -- Nottingham University <p style="text-align: right;">see page 9</p>
16h30	Oxy-combustion and the CCS pilot at Lacq R. Tsiava & N. Marcano -- Air Liquide C. Prébendé -- Total <p style="text-align: right;">see page 11</p>
17h00	The European CSS Demonstration Programme: the ZEP's view P. Barbucci -- ENEL <p style="text-align: right;">see page 12</p>
17h30	End of Day one

Conference
Dinner
at
20h00
at

"L'Hermitage Gantois"

224, rue de Paris
59000 Lille
Tel: 03 20 85 30 30





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Programme of Session 3

Chairman: J. Swithenbank

Tuesday 10th of March 2009

09h00	Towards an improved policy on industrial emissions F. François -- European Commission, DG ENV.C.4 see page 13
09h30	Recent developments in low NO_x burner technology D. Lancaster & M. Young -- Hamworthy Combustion see page 15
10h00	How the experienced use of CFD analysis allows generators to meet strict LCPD NO_x emission requirements with proven technology J. Goldring -- RJM International see page 16
10h30	Coffee break



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Programme of Session 4

Chairman: S. Caillat

Tuesday 10th of March 2009

11h00	Instabilities and Soot Formation in High Pressure Explosion Flames R.D. Lockett & R. Morishima -- City University see page 17
11h30	Developments in the Application of Zone modeling for Furnace Efficiency Improvements R.J. Tucker, J. Ward, A.Z. Chong, C.K. Tan -- Glamorgan University see page 19
12h00	Zone modelling of underport firing of a simulated glass melting test furnace R.J. Tucker, A.Z. Chong, J. Ward, N. Fricker, C.K. Tan -- Glamorgan University; E. George, T. Ferlin, C. Villermaux -- GDF SUEZ see page 21
12h30	Lunch break



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Programme of Session 5

Chairman: J. Witton

Tuesday 10th of March 2009

13h30	Wood Would Burn J. Swithenbank, V.N. Sharifi, Q. Chen, X. Zhang -- Sheffield University <small>see page 22</small>
14h00	Combustion of Bio- and Biomass-Derived-Fuels to Address Security of Supply and Efficiency Challenges: A Chemical Kinetic Prospective P. Dagaut -- CNRS Orléans <small>see page 28</small>
14h30	Flashback Avoidance Analysis using Geometrical Constrictions in a Tangential Swirl Burner A. Valera-Medina, N. Shelil, M. Abdulsada, A. Griffiths & N. Syred -- Cardiff University <small>see page 29</small>
15h00	Coffee break



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Programme of Session 6

Chairman: J. Witton

Tuesday 10th of March 2009

15h30	The impact of fuel gas composition on gas turbine operation: future challenges D.J. Abbott -- E.ON see page 31
16h00	IFRF and its activities L. Tognotti -- IFRF see extra handout
16h30	End of the conference

Thank you



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