

EuroFlam Annual Seminar



9th Annual EUROFLAM Seminar

Wijk Aan Zee
The Netherlands
19th – 21st June 2002

HOSTED BY:
International Flame Research Foundation
IJmuiden, The Netherlands



9th Annual EUROFLAM Seminar
Wijk Aan Zee, The Netherlands

Programme

19th June 2002

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| 14:00 | Assessment of Cardiff University EUROFLAM Users | Assessment of IFRF EUROFLAM Users |
| | Dr. Ambrogio Milani EUROFLAM Industrial Assessor | Prof. Klaus R.G. Hein EUROFLAM Academic Assessor |

EUROFLAM Users Informal Dinner

20th June 2002

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| 8:30 – 9:00 | Registration and Coffee | |
| 9:00 – 9:15 | Welcome Remark | Peter Roberts Director, IFRF.NET |
| | “Solid Fuel Combustion & Co-combustion of Fuel Blends” Chairman: Dr. Neil Fricker | |
| 9:20 – 9:45 | Analysis of Burning/Devolatilisation Behaviour of Waste Derived Fuel | Martin Dressler Cardiff University |
| 9:45 – 10:10 | Combustion Characterization and Performance Analysis of Coals and Biofuels | Eric Engstrom IFRF |
| 10:10 – 10:30 | Preliminary Studies into Co-combustion of Pulverised Coal with Sewage Sludge and Slagging Phenomena in a Power Boiler | Krzystof Waclawiak Cardiff University |
| 10:30 – 10:45 | Coffee Break | |
| 10:45 – 11:05 | Combustion Characterisation of Solid Fuel in an Isothermal Plug Flow Reactor | Simon Leiser IFRF |
| 11:05 – 11:25 | Evaluation of Solid Fuel Reactivity During Combustion | Marine Fortier ENEL Produzione SpA |
| 11:25 – 11:50 | Exergo-Economic Analysis of a Biomass Integrated Gasification Combine Cycle Based on Co-combustion Process | Nils Herzog ENEL Produzione SpA |
| 11:50 – 13:25 | Lunch | |
| 13:30 – | EUROFLAM Users Forum Stanley Santos IFRF.NET (13:30 – 15:00) | EUROFLAM Managers Summer Meeting Peter Roberts Director, IFRF.NET (13:30 – 16:00) |
| 15:00 – 18:00 | CORUS Industrial Tour | Maria Buur IFRF Research Station bv |
| 18:00 | Return to Hotel | |

EUROFLAM Dinner and Certificate Presentation

9th Annual EUROFLAM Seminar
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21st June 2002

Programme

| | | |
|---------------|--|--|
| 8:30 – 9:15 | Coffee | |
| | | “NO_x Emissions and Combustion Modelling” Chairman: Dr. Anthony Griffith |
| 9:20 – 9:45 | <i>NO_x Emissions from Combustion Processes</i> | Marta Rivas IFRF |
| 9:45 – 10:05 | <i>Theoretical Investigation of an Industrial Low NO_x Burner</i> | Leonardo Paes Rangel ENEL Produzione SpA |
| 10:05 – 10:30 | <i>CFD Modelling of NO_x emissions - Combustion of Natural Gas with Highly Preheated Air in Industrial Scale Furnace</i> | Mikael Hornberg IFRF |
| 10:30 – 10:45 | Coffee Break | |
| 10:45 – 11:05 | <i>CFD Modelling with Special Emphasis on Cyclone Separator</i> | Michael Hilliers IFRF |
| 11:05 – 11:30 | <i>Modelling of Ultra Low NO_x Gas and Oil Burner by FLUENT Code</i> | Albena Gueorguieva ENEL Produzione SpA |
| 11:30 – 11:55 | <i>Mathematical Modelling of Coupled Heat Transfer by Convection and Radiation in a Participating Media</i> | Gabriel Wecel IFRF |
| 12:00 – 13:25 | Lunch | |
| | | “Combustion Equipment Design and Combustion Hazards” Chairman: Mario Graziadio |
| 13:30 – 13:55 | <i>Development of Modelling Approaches for Large Scale Super Heated Fuel Jets</i> | Vincent Cleary Cardiff University |
| 13:55 – 14:15 | <i>Development of a System for Fault Diagnosis in Gas Turbine</i> | Silvia Martinez Romero ENEL Produzione SpA |
| 14:15 – 14:30 | Coffee Break | |
| 14:30 – 14:55 | <i>Scaling Laws for Partially Premixed Natural Gas Flames for Fire-Tube Package Boiler</i> | Roger Tellqvist IFRF |
| 14:55 – 15:20 | <i>Influence of Upstream and Exit Characteristics on Large Scale Combustion Hazards from High Flashpoint Liquid Fuels</i> | Antonios Maragkos Cardiff University |
| 15:20 – 16:00 | <i>Closing and Best Presentation Award Ceremony</i> | |