

Seminar

18th - 19th February, 2004
URBASER Headquarters
MADRID (SPAIN)

ORGANIZED BY:



APPICE
Spanish Fuel Cells
Association

APPICE formación 2004



Biogas and Fuel Cell Technology *From Waste to Clean Energy*

IN COLLABORATION WITH:



Consejería de Economía
e Innovación Tecnológica
Comunidad de Madrid



Biogas and Fuel Cell Technology

From waste to clean energy

18th February

- 8:45 **Registration**
- 9:00 **Opening**
Consejería de Economía e Innovación
Tecnológica
- 9:15 **Seminar presentation**
Dr. Loreto Daza
President of APPICE
D. Juan de Blas
Secretary of APPICE
Mr. Jesús Gil
URBASER
- 9:30 **Evaluation of the biogas potencial in Spain and the European Union**
Dr. Paloma Ferreira
Researcher
CSIC
- 10:15 **Biogas production out of urban residues. Plant of Pinto**
Mr. Jesús Gil
Project engineer
Urbaser
- 11:00 **Coffee break**
- 11:30 **Biogas production out of organic wastes from the agro-food sector**
Mr. Marcos Díaz
R&D Responsible in the area of biogas
Matadero Frigorífico del Nalón
- 12:15 **Biogas production out of anaerobic digestion from sewage sludge as hydrogen source**
Dr. Amalio Garrido
Director of production, quality and environment
EMUASA-Aguas de Murcia
- 13:15 **Lunch**
- 15:15 **Development of the Biogas Cleaning unit towards Fuel Cells: new approaches and challenges**
Ms. Marianne Haberbauer
R&D Responsible in the area of biogas
Profactor, Austria
- 16:00 **Visit to the waste treatment plant in Pinto (including MCFC Testbed)**
- 19:00 **End of day one**

19th February

- 9:00 **Fuel Cells as an efficient energy conversion system**
Dr. Loreto Daza
President
APPICE
- 9:45 **The MCFC flexibility towards the fuel usage: experiences with the Hot Module**
Dr. Joachim Hoffmann
R&D Responsible in the area of bioenergy
MTU CFC Solutions, Germany
- 10:30 **Biogas - FC Potencial: comparison Austria-Slovak Republic and possible application in Spain**
Mr. Wolfgang Baaske
R&D Responsible
Studia, Austria
- 11:15 **Coffee break**
- 11:45 **Applications: Usage of Biogas in MCFC. First experiences**
Dr. Steven Trogisch
R&D Responsible in the area of biogas and Fuel Cells
Profactor, Austria
- 12:30 **Applications: Usage of Biogas in SOFC**
Ms. Eva Frey
Business Development Director of Fuel Cells in Europe
Siemens
- 13:15 **Lunch**
- 15:15 **Applications: Usage of Biogas in PEM Fuel Cells; first experiences**
Dr. Thorsten Ahrens
Responsible for PEM projects
FAL Braunschweig, Germany
- 16:00 **The vision of the European Commission**
European Commission
- 16:45 **End of conference**

All the conferences will have a simultaneous translation service.

REGISTRATION BULLETIN

Please, complete this form and send it by fax or e-mail, together with the proof of payment to the following address:

SPANISH FUEL CELLS ASSOCIATION, APPICE.
Secretary Office: Pº del Gral. Martínez Campos 11
28010 Madrid (Spain)
Tel: + 34 91 444 59 01 Fax: + 34 91 447 75 27
E-mail: secretaria@appice.es

Attendant

Invoice Data

Company

Address

VAT No

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Job Title

Contact Details

Telephone

Fax

E-Mail

Course price includes
all the transfers
between URBASER
and Madrid
(Pza Castilla)

If you want to know the
timetable, please contact the
course organization service

SEMINAR FEE

APPICE members: 325 €
Non-members: 400 €

Training not subjected to VAT

Lunch, documentation and transfers included

PLACE AND DATE

18th and 19th February, 2004 from 9:00h to 19:00h

URBASER. Avda de Tenerife 4-6
28700- San Sebastián de los Reyes
MADRID, Spain

REGISTRATION

The deadline for registration is monday 16th February at 19:00h (Attendance limited to occupancy capacity).

CANCELATION

Cancellations should be notified in writing, signed and dated, before 11th February, reimbursing 75% of the registration fee. There will be no refunds after this date.

PAYMENT

Via bank transfer, with the reference "APPICE workshop" to the account number:

Banco Guipuzcoano
0042 0033 13 0110051216
Swift Code:BGUIES22AXXX

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