

## call for posters

'Work in progress' will be presented during a poster session. Participants from industry, research institutes, universities and others are invited to submit posters with recent research results.

If you intend to participate with a poster please send an abstract of the poster in Word (maximum 2 pages) before 19 September 2001 to the COMBURA Conference Office at STW of which the address is given below. The abstract of the poster will be included in a Book of Abstracts that will also include the abstracts of the presentations. The maximum dimensions of the poster boards is 130 x 200 cm.

## poster prize

For PhD students from universities (aio's, oio's) a special **poster prize** is awarded. The prize for the best poster will be NLG 750,-. The second and third prize will be NLG 500,- and NLG 250,- respectively. Those who want to compete for these prizes should send in a copy of the poster on A4 size paper to the COMBURA Conference Office at STW before 19 September 2001. It is important that the text of the poster is still legible on A4 size paper. Furthermore, for the book of abstracts an abstract in Word of maximum 2 pages is requested.

## registration and information

COMBURA Conference Office:

Technology Foundation STW  
Annemiek Peeters  
P.O. Box 3021  
3502 GA Utrecht  
the Netherlands  
tel +31 (0)30 600 13 01  
fax +31 (0)30 601 44 08  
e-mail: brand@stw.nl

Registration includes lunch, coffee/thee, drinks and a Book of Abstracts.

## costs

Registration fees *before September 10*: f 100,-  
(students and PhD students: f 50,-)

Registration fees *after September 10*: f 150,-  
(students and PhD students: f 75,-)

You are kindly requested to remit the costs for your participation to bank account 55.57.85.556 of the Technology Foundation STW, mentioning your name and 'COMBURA symposium'.

**Your participation is only valid after we have received your payment.**

Please also fill in the enclosed form and send it to the COMBURA Conference Office by mail or by fax. Registration by e-mail is also possible. Please include all necessary information as requested in the form.

## organizing committee

P.P. Breithaupt	NVV, Gasunie
Th.H. van der Meer	CI, University of Twente
J.J. ter Meulen	KUN
L.J. Korstanje	Technology Foundation STW

Technology Foundation STW



# COMBURA

combustion research and application

**10 October 2001**

Jaarbeurs Utrecht  
The Netherlands

announcement  
&  
call for posters



## general introduction

**COMBURA** is a joint initiative of the Technology Foundation STW (Platform Schone en Zuinige Verbranding), the NVV (Nederlandse Vlam Vereniging) and the Dutch section of the Combustion Institute.

At the symposium attention is focussed both on university research and on industrial applications. The symposium replaces the yearly STW symposium, the two yearly Dutch Flame Day and the autumn meeting of the Dutch section of the Combustion Institute. This means that the symposium will be a meeting place for all people from the Netherlands involved in combustion research and application of new combustion technologies. The programme of the symposium is of interest to all of you.

The technical and political discussion on the topics of NO<sub>x</sub>- and CO<sub>2</sub>-emission is very important, especially in this time of large economic growth. It is evident that new combustion technologies are needed in order to fulfil future demands. In the programme of the symposium new concepts and technologies are emphasized. In two plenary keynote lectures recent advances and future prospects of biomass and hydrogen will be highlighted. In parallel sessions contributions will be given on fundamental research from university groups and applications from Dutch industry. On "work in progress" posters with very recent and new research results will be presented.

STW, NVV and Combustion Institute expect that this yearly symposium will be the symposium that cannot be missed. We hope to welcome you and your colleagues on 10 October 2001 in the Beatrix gebouw of the Jaarbeurs Utrecht.

## programme

09.00 - 09.50 registration and coffee  
09.50 - 10.00 opening and welcome

10.00 - 10.45 **keynote Lecture**  
*'Energy from Biomass'*  
G. Brem (TNO/UT)

10.45 - 11.00 coffee break

### parallel session 1

11.00 - 11.30 *'Quantitative Raman Spectroscopy in laminar methane-air flames'*  
V.V. Toro (RUG)  
A.V. Mokhov (RUG)  
H.B. Levinsky (RUG)

11.30 - 12.00 *'In situ laser diagnostics in a realistic heavy-duty diesel engine'*  
R.J.H. Klein-Douwel (KUN)

12.00 - 12.30 *'Velocity measurements in a Rotating Pipe Swirl Burner'*  
W. Huebner (TUD)

### parallel session 2

11.00 - 11.30 *'Solid phase FLOX, coal trials and future plans'*  
W. van der Kamp (IFRF)

11.30 - 12.00 *'Application of Excess Enthalpy Combustion in the iron and steel industry'*  
P. Hoppeteyn (CORUS)

12.00 - 12.30 *'Theory of Jet-flames Natural Gas FLOX'*  
O. Piepers (Gasunie)  
P.P. Breithaupt (Gasunie)

12.30 - 13.30 Lunch  
13.30 - 14.30 Postersession

### parallel session 3

14.30 - 15.00 *'Generation of synthesis gas by partial oxidation of natural gas in a gas turbine'*  
B.A. Albrecht (UT)  
J.B.W. Kok (UT)  
H.J. Veringa (UT)

15.00 - 15.30 *'Application of Flame-Generated Manifolds'*  
J. van Oijen (TUE)

### parallel session 4

14.30 - 15.00 *'Combustion research and services at Shell Global Solutions'*  
L. Post (Shell)  
D. Roekaerts (Shell)

15.00 - 15.30 *'Co-combustion of hydrogen-containing fuel in gas turbines designed for natural gas combustion'*  
A.J.L. Verhage (KEMA)

15.30 - 16.15 **keynote Lecture**  
*'Is there a role for hydrogen as energy carrier?'*  
S.B. van der Molen (ECN)

16.15 - 17.30 closure and drinks

STW-2001 07 10-02

COMBURA, p/a STW  
Postbus 3021  
3502 GA Utrecht  
the Netherlands

registration form  
**COMBURA** symposium

10 October 2001  
Jaarbeurs Utrecht, Beatrix gebouw

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name .....

company / organisation .....

address .....

telephone ..... e-mail .....

I remitted my costs for participation

- |  |                       |
|--|-----------------------|
| <input type="checkbox"/> NLG 100,-                       | before September 10th |
| <input type="checkbox"/> NLG 50,- (student, PhD student) | before September 10th |
| <input type="checkbox"/> NLG 150,-                       | after September 10th  |
| <input type="checkbox"/> NLG 75,- (student, PhD student) | after September 10th  |

to bank account 55.57.85.556 of the Technology Foundation STW, mentioning my name and 'COMBURA symposium'.

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