

September 03

European Creep Collaborative Committee's
One-Day International Seminar on:

**ADVANCED CREEP DATA
for
PLANT DESIGN AND LIFE EXTENSION**

Final Programme + Registration Form

Date: Friday, 26 September 2003

Venue: Pyramida Hotel / SVUM, Prague, Czech Republic



Organised as a Part of the European Commission's
Thematic Network 'Advanced Creep'



Organisation and Secretariat at:
European Technology Development, UK

INTRODUCTION

The design of components for high temperature duty in power generation, petrochemical and chemical process plant, and their safety/performance assessment during operation, has traditionally been based on material tensile and creep rupture strength properties. Service experience has shown that present design codes are generally very conservative. The use of more sophisticated procedures involving 'advanced' creep properties (e.g. deformation, ductility and multi-axial properties) can lead to reductions in the level of conservatism in the design, inspection-management and life-extension of components. This is the driving force behind the European Creep Collaborative Committee's latest 4-year EC supported ADVANCED-CREEP Thematic Network initiative which started in September 2001. ADVANCED-CREEP aims to bring together European industry and research expertise to devise and implement guidelines for the generation, electronic collation and application of data for improving the effectiveness of plant design and component life assessment. The application of these properties in defect-free assessment and defect assessment of high temperature components also forms part of the current work programme. This one-day Seminar is being organised as part of the ADVANCED-CREEP activity to share and exchange information with experts and industry outside the project Consortium.

EUROPEAN CREEP COLLABORATIVE COMMITTEE (ECCC)

The European Creep Collaborative Committee is an industry led group comprising 44 organisations from 16 countries. The interests of material producers, plant manufacturers and end users are represented. ECCC was formed in 1991 to co-ordinate Europe-wide creep data generation, collation and assessment activities. In particular, the aim was to pool National data resources to provide the optimum basis for rupture strength values for European Product and Design Standards.

During the period 1992-1996, ECCC concentrated its efforts on the creep-rupture properties of non-welded materials through EC funding support by means of the Concerted Action CREEP (BE5524). Focus switched to the consideration of properties for welded materials between 1997 and 2001 when EC support was provided in the form of the WELD-CREEP Thematic Network BET2-0509 contract. The work undertaken in these projects resulted in the development and publication of (i) extensive ECCC guidelines on data generation, exchange and assessment methods and (ii) approved Data Sheets on a scale that had not been possible before. Current activity is focused on achieving the objectives of the ADVANCED-CREEP project.

Further information on ECCC and the project 'Advanced Creep' can be seen at: www.etd1.co.uk/eccc/advancedcreep

<p>For enquiries please contact: Dr I A Shibli, European Technology Development, 2 Warwick Gardens., Ashted, Surrey KT21 2HR, UK. Tel: + 44 (0) 1372 802 555 Fax: +44 1372 229 164 E.mail: enquiries@etd1.co.uk</p>
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PUBLICATION: A book of the **Proceedings** and a CD of the updated five-volume **ECCC Recommendations on Creep Data Validation and Assessment Procedures** will be provided at the Seminar.

SEMINAR PROGRAMME

0830 – 0900 hrs

REGISTRATION

0900-0910 hrs

Welcome: G Merckling, Chairman ECCC and J Hakl, SVUM, Czech Republic

Introduction: A Shibli, European Technology Development, Surrey, UK

Session Chairman: Jan Hakl, SVUM, Czech Republic

Keynote Speakers

0910-0955 hrs

Use of advanced creep data for plant design and development and use of new materials

C Berger, IfW Darmstadt, Germany

0955-1040 hrs

Use of advanced creep data for assessment of plant life and safety

R A Ainsworth, British Energy, UK

<i>Coffee Break</i>

<i>1040 – 1110 hrs</i>

Session Chairman: Torsten Kern, Siemens, Germany

1110-1140 hrs

Introduction to ECCC and activities of the project Advanced Creep

G Merckling, Chairman of ECCC, ISB, Milan, Italy

1140-1200 hrs

Developments in the assessment of creep strain and ductility data

S R Holdsworth, Alstom Power, Rugby, UK

1200-1220 hrs

Developments in the use of creep crack initiation for design and performance assessment

A Klenk, MPA Stuttgart, Germany; F Mueller, IfW Darmstadt, Germany; D Dean, British Energy, UK

1220-1240 hrs

On the correlation of parameters of power type relationships used for creep data evaluation

L. Tóth, A.J. Krasowsky, Gy. B. Lenkey, Bay Zoltán Institute for Logistics and Production Systems, Miskolctapolca, Bay Zoltán tér 1. Hungary

<i>Lunch</i>	<i>1240 - 1340 hours</i>
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Session Chairman: Ahmed Shibli, European Technology Development, UK

1340-1400 hrs

Creep strength and ductility of 9 to 12% chromium steels

J Hald, Elsam Project / Tech-wise, Denmark

1400-1420 hrs

Creep ductility issues in austenitic stainless steels

M Spindler, British Energy, UK

1420-1440 hrs

Creep rupture and ductility of as-manufactured and service-aged nickel alloy IN617 materials and welds

David Allen, Powergen, UK; Jean-Pierre Keustermans and Sigrid Gijbels, Laborelec, Belgium; Valerio Bicego, CESI, Italy

1440-1500 hrs

Developments in assessing creep behaviour and creep life of components

P Auerkari, VTT, Finland

Finish: 1500 hours

Registration Form

For Registration please copy and post/ fax/ e-mail the completed Form to the Registration address shown at the bottom.

ECCC's International Seminar on:

ADVANCED CREEP DATA FOR PLANT DESIGN AND LIFE EXTENSION

Venue: Pyramida Hotel / SVUM, Belohorská 24, 169 00 Prague 6, Czech Republic

Date: Friday 26th September, 2003

Registration Fee:

Before June 30, 2003 = 110 EUR	After June 30, 2003 = 130 EUR
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Registration Fee covers the Seminar Proceedings and lunch and coffees.

(Please attach/enclose statement on the payment of Registration Fee i.e. how and when was it paid or will be paid).

Registration Fee should be paid into the following **bank account:**

Number 27-3254690287/0100
 Address: KB a.s., Expozitura - Horni Pocernice, 190 11 Praha, Czech Republic
 Reference: ECCC Seminar/Name of Participant

Any bank charges will be borne by the Participant. The invoice will be issued later.

INFORMATION NEEDED FOR YOUR REGISTRATION AND DELEGATE BADGE:

Your title and name:

Company:

Position:

Address:

Phone:

Fax:

E-mail:

Accommodation can be reserved directly in HOTEL PYRAMIDA on the enclosed HOTEL RESERVATION FORM.

REGISTRATION ADDRESS

Mr Jan HAKL, SVUM a.s., Research Centre Bechovice, 190 11 Prague 9, Czech Republic Tel: +(420) 222 724 057 Fax: +(420) 222 729 256 E-mail: hightempmat@svum.cz



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Hotel Pyramida**Praha**
Belohorská 24, 169 01 Prague 6
CZECH REPUBLIC



HOTEL RESERVATION FORM

“ECCC Seminar” 26th September 2003

Please complete this Form and return it to Hotel Pyramida at the time of registration. The accommodation in hotel Pyramida should be preferably reserved before 15 August 03.

Surname, Name: Organization:

Address:

Phone No: Fax No: E-mail:

Accommodation Order

The period: from to 2003

	Room Rate	No. of nights	Total price
1/1	3.100 CZK or 110 EUR
1/2 single use.....	3.100 CZK or 110 EUR
1/2	3.100 CZK or 110 EUR

The room rate is in CZK or Euro per room and night, including buffet breakfast and vat.

Room Reservation

Ď **CREDIT CARD** (Need this information only for room reservation. Actual charge will be made at the time of check out. Please also see cancellation conditions below).

TYPE: NUMBER Expiry date:

NAME AND SIGNATURE OF CARD HOLDER:.....

OR

- > *Bank transfer* in EUR currency on the following bank account: KB - PRAGUE 6-POHORELEC, bank account nr. 27-1579720297/0100, by 24 August 2003.
- > *Bank transfer* in CZK currency on the following bank account: KB - PRAGUE 6-POHORELEC, bank account nr. 32501-061/0100, by 24 August 2003.

Cancellation Conditions

Cancellation to 24.08.2003	Free of charge
Cancellation to 15.09.2003	50% of the provisional total charge
Cancellation after 15.09.2003	100% of the provisional total charge

Date:.....

Signature:

Thank you for your reservation at the Hotel Pyramida**** Praha.

Reservation No. _____ Date:..... Signature:

CONTACT PERSON:

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