



HALF DAY CPD COURSE

APPRAISAL OF EXISTING IRON AND STEEL STRUCTURES

OBJECTIVES:

This seminar will present a comprehensive review of existing iron and steel structures. It is aimed at engineers who wish to have an introduction to this topic, and will help graduates to understand the principle behind Appraisal of Existing Iron & Steel Structures. It will also benefit other professionals who wish to gain an insight into engineering aspect of the designed process. By attending this seminar you will gain practical experience to apply to current and existing iron and steel structures.

SPEAKER:

MICHAEL BUSSELL Structural Consultant

Michael Bussell is now an independent structural consultant, having first served a 30-year 'apprenticeship' at Arup. He is a founder member of the Institution's History Study Group and has an enduring interest in both the history and the practical reuse of such structures. He has contributed to several guides in this field, including the Institution's *Appraisal of existing structures*, two CIRIA reports *Structural renovation of traditional buildings* and *Retention of masonry façades – best practice guide*, and BRE

SCI Publication:
"APPRAISAL OF
EXISTING IRON AND
STEEL STRUCTURES"
provided FREE
with this
course

Digest 366 *Structural appraisal of existing buildings for change of use*. He also contributed two chapters on the historical development of reinforced concrete design and practice to *Historic concrete* published by Telford. His *Appraisal of existing iron and steel structures* was published by the Steel Construction Institute in 1997. Current projects include refurbishment and regeneration schemes at St Pancras station and in the King's Cross 'railway lands' in London.



Wednesday 29th MARCH

2006 4:00pm - 8:00pm

UNIVERSITY OF SALFORD -
Clifford Whitworth Conference Suite
Lancashire & Cheshire Branch



The Institution of
Structural Engineers
LANCASHIRE AND CHESHIRE BRANCH

The Institution of
Structural Engineers

LANCASHIRE AND CHESHIRE BRANCH

2005-2006 SESSION



Founded 1908 incorporated by Royal Charter 1934
Registered Charity Number 233392

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LANCASHIRE & CHESHIRE BRANCH CPD

APPRAISAL OF EXISTING IRON AND STEEL STRUCTURES

HALF DAY SEMINAR

VENUE: Clifford Whitworth Conference Suite
UNIVERSITY OF SALFORD

DATE: **WEDNESDAY 29th MARCH 2006**

LECTURER: MICHAEL BUSSELL Structural Consultant

Written Materials:

APPRAISAL OF EXISTING IRON
AND STEEL STRUCTURES WILL
BE PROVIDED FREE (normal
cost £25 for SCI Members).

PLEASE BRING WRITING
MATERIALS WITH YOU.

PROGRAMME:	4:00 pm	Registration and tea
	4:10 pm	Introduction
	4:15 pm	The historical development and use of structural iron and steel
	4:40 pm	Characteristics, identification and defects: <ul style="list-style-type: none">• Cast iron• Wrought iron• Steel
	5:05 pm	The process of structural appraisal <ul style="list-style-type: none">• What is appraisal and how does it differ from design?• General principles of investigation and assessment.
	5:30 pm	Tea
	6:00 pm	Assessment of cast iron, wrought iron and steel
	6:40 pm	Repair, strengthening and replacement (and CDM considerations)
	7:00 pm	Fire and corrosion - resistance and protection
	7:20 pm	Practical case study: appraisal and re-use of a textile mill
	7:45 pm	Questions and discussion
	8:00 pm	Conclusion.

Appraisal of Existing Iron and Steel Structures - 29th March 2006

No of Delegates:

Names: _____

Contact Name: _____

Address: _____

Email: _____

Food requirements:
No of Vegetarians

Fee £60 (Students free but places limited)

Value of cheque enclosed £ _____

No of free places for students

University _____

Remittance should be made payable to 'IStructE Ltd' and send with this form to:

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