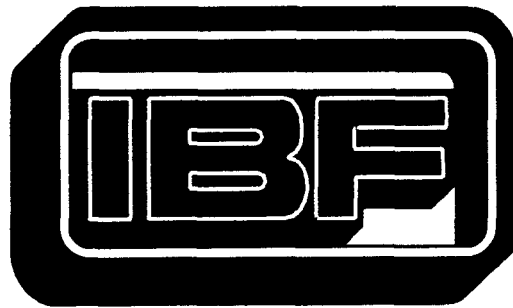


**The Institute of British Foundrymen
93rd Annual Conference**

Towards Foundry 2000'

**3/4/5 July 1996
The Georgian House Hotel
Blackrod, Lancashire**



**THE INSTITUTE OF
BRITISH FOUNDRYMEN**

**UB/TIB Hannover 89
114 152 926**



Castcon '96

The Institute of British Foundrymen's 93rd Annual Conference

'Towards Foundry 2000'

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The Georgian House Hotel, Blackrod, Lancashire

The following is a listing of papers presented in these proceedings. Those that were unavailable at the time of going to press are not included.

Session A1	Foundry 2000
10.00am - 11.30am	

Ferrous

The important ingredients of a Foundry 2000
Dr J Krosnar - Precision Disc Castings Ltd

Extending ISO 9000 to total quality management
Dr D Scrimshire - TEC Transnational Ltd

How efficient is your foundry?
Mike S Brown - Cast Metals Development Ltd

Session A3	Meeting Customer Expectations - Ferrous Castings
2.15pm - 3.45pm	

Meeting customer expectations - a volume producer's view
J D Sharp - Triplex Lloyd International Ltd

Session A4	Developments in Moulding Systems
4.00pm - 5.30pm	

On the re-bond - how to get the best from your chemically bonded reclaimed sand
M R Stancliffe - Ashland Chemical Limited

Volume core production
R Phillips - Vald. Birn (UK) Ltd, J L Sansby - Perstorp UK

Chemically bonded sand systems - facing the challenges of the 21st Century
A D Busby - Ashland Chemical Ltd

Session B1

**Future Prospects for the Non-Ferrous
Industry**

Non-Ferrous

10.00am - 11.30am

Does the past affect our future?

G A Schofield - The Institute of British Foundrymen

Process technology part of the design procedure

T L Sutton - Consultant

Session B3

Non-Ferrous Manufacturing Technology

2.15pm - 3.45pm

Modern diecasting technology - a users view

D E Croom - Metal Castings Ltd

Aluminium melting technology, 2000 and beyond

Dr T M Paterson - Striko (UK) Ltd

RIMLOC - A single shot casting technique for the future

P J Bird, P J Rickards - Cast Metals Development Ltd

Session B4

Meeting Customer Expectations

4.00pm - 5.30pm

Current technology & world-wide sourcing trends in the supply of high volume safety critical castings

J Summerill - Lucas Braking Systems Technology Centre

Direct squeeze casting of copper alloys

A Herrera - UNAM-CITATEQ, Mexico, J Campbell - University of Birmingham

Meeting customer requirements with magnesium diecastings

P Caton - Diemakers Limited

Session A5

Training and New Technology

9.30am - 11.30am

Training middle managers in the foundry industry

Dr J Begg - The Institute of British Foundrymen

Session A7

Ferrous Technical Papers

2.15pm - 3.45pm

The tribological behaviour of austempered spheroidal graphite silicon cast iron

S M A Boutorabi, Iran University of Science & Technology

Session B5 Non-Ferrous Technical Papers
9.30am - 11.30am

Non-Ferrous

Optimisation of the mechanical properties in an investment cast aluminium alloy
L Siaminwe, A J Clegg - University of Loughborough

A shop floor technique for quantitative measurement of molten metal cleanliness
P G Enright & I R Hughes - N-Tec

Session B7 Environment
2.15pm - 3.45pm

Environmental leadership and competitive advantage
Dr A J Clegg - Loughborough University

Experiences of establishing an environmental management system to satisfy BS7750:1994
in a foundry
R Lyon - Chronserve Management Systems