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High Performance Ceramics

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High Performance Ceramics

19–23 June 2000 Guildford, Surrey, UK

OBJECTIVES

To describe and explain the fabrication, properties and applications of a range of high performance ceramics for structural use and to introduce related topics, such as ceramic matrix composites, surface engineering of ceramics and characterisation techniques.

COURSE CONTENT

The course approaches the broad subject of processing-microstructure-property relationships in engineering ceramics in two ways. There are lectures that are concerned with general issues such as processing, mechanical behaviour, design, characterisation and surface treatment. There are also lectures which focus on individual groups of ceramics. The lecture content is reinforced and enhanced through six tutorial/demonstration/practical sessions.

WHO SHOULD ATTEND?

The course is designed for scientists and engineers seeking a broad introduction to high performance ceramics. It will be suitable for graduates moving into the field or workers of limited ceramic experience wishing to widen the scope of their knowledge. It should also prove useful for those in teaching, technical sales or management wanting an appreciation of these materials.

Commencing at 09:30 am on Monday 19th June 2000, the course will finish by 15:00 on Friday 23rd.

High Performance Ceramics is part of the Advanced Materials Technology Programme: a range of short courses which may be taken individually or from which 7 courses may be selected and linked together with assessments and a project to form a modular, part-time MSc Degree Course.

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