

# PITA Training & Conferences

Roy Fairhurst presents the all new & improved . .

## “PITA Paper Appreciation Course”

The Essential Guide for everyone in the Paper Industry

9<sup>th</sup> & 10<sup>th</sup> October 2018 / PITA Office, Bury

Known to many of today's Mill Managers, over the years Roy has introduced literally thousands of individuals to the world of Pulp & Paper through his teaching days at Bury College.

This comprehensive, yet easy to assimilate, two day training course is a fantastic jargon buster for those not directly involved in the paper making process and at the same time, shows how individual products and processes fit in with global papermaking practice!

The

*“ I have heard many of the words and phrases before, but never really understood what they meant ”*

course walks you through each stage of the paper making process, from sourcing and choosing raw materials to preparing them ready for sheet formation, forming them into paper, board or tissue.



Paper  
Industry  
Technical  
Association

*“This course has something for everyone”*

### DAY 1

#### INTRODUCTION:

Very brief history and some global numbers for P&B production and consumption.

#### FIBROUS RAW MATERIALS:

Fibre types and fibre structure. Overview of mechanical and chemical pulping and recycled fibre treatments.

#### WATER:

Water sources. Water contaminants and the problems they cause in papermaking.

#### CHEMICAL ADDITIVES:

Process and Functional aids. Sizing types and mechanisms. Retention aids. Filler types and function.

#### WET END OPERATIONS:

Stock Prep, approach flow, sheet formation on single wire, and multi-wire machines and vat formers. Mechanism of refining, screening and cleaning.

#### MILL VISIT:

Depending on numbers commuting and Travelling, PITA will organise an optional evening Mill Visit.

**Only £599 (plus VAT) per person for the two day course, including full course notes, refreshments and six months complimentary membership of PITA**

### DAY 2

#### TISSUE PRODUCTION:

Machine development, drying and creping.

#### PRESSING:

Press types, press configurations, factors affecting water removal, passive & active cambers. Press felts, design and cleaning

#### DRYING:

Traditional cylinder dryers. Drying mechanism, heat transfer. Importance of good ventilation. Condensate removal and heat recovery.

#### FINISHING OPERATIONS:

Breaker stack, surface sizing, calendaring, coating, MG drying, embossing, winding, slitting and sheeting.

#### CONVERTING PROCESSES:

Laminating, embossing, creping, impregnating, corrugating and printing.

#### PRINCIPLES OF PROCESS CONTROL:

Reasons for process control. Open and closed control loops, feed forward and feed back. Elements of a control system.

#### PRINTING PROCESSES:

Letterpress, off-set, gravure, photocopy.

#### PROPERTIES OF PAPER AND BOARD:

Refining curves. Strength, surface and optical properties. Effects of papermaking parameters and additives on these properties. Methods of measurement.

*“Much more interesting than I expected”*



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**For further details or to book your place on this course, contact Helen in the PITA Office (0300-3020150 / info@pita.co.uk)**