Advances in Technology of Colour Pigments & Dispersion

Description

A specialised one-day course that provides an understanding of the latest developments in effect pigment technology and associated colour physics. Also how to optimise the dispersion of these pigments for use in paints and other media.

The latest developments in dispersion machinery will also be highlighted and how to benchmark performance, especially for production of nano-size pigment dispersions and their use in coatings.

Who Should Attend

This course is designed for more experienced personnel in either technical or chemical engineering capacities, involved in chemical formulation, supplying raw materials or dispersion equipment to the end-use industries.

Contents

- Fundamental chemical & physical properties of pigments
- The role of the media mill in dispersion and dispersion mechanisms
- Types of milling equipment and recent advances
- Recommendations for use of milling equipment
- Optimisation of pigment dispersion
- Monitoring pigment dispersion and end-point determination
- Colour physics and pigment dispersion
- Physical effects at the nano-scale in pigment dispersion
- Effect pigments and dispersion—what not to do
- Colour physics of effect pigments
- Summary of principles discussed and practical tips

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