European Federation of Chemical Engineering
Europäische Föderation für Chemie-Ingenieur-Wesen
Fédération Européenne de Génie Chimique

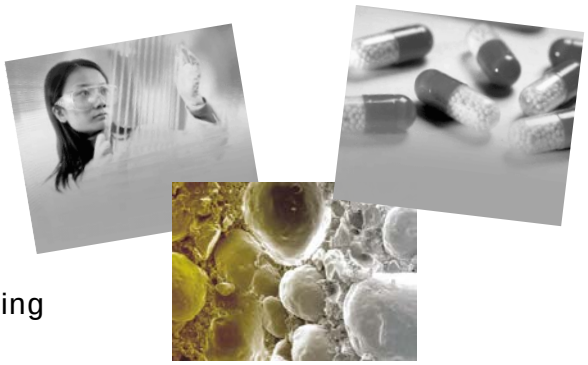
Section on Product Design and Engineering

Background of the Section on Product Design and Engineering

Chemical product design and engineering may be considered as a new branch of the general chemical engineering discipline at the interface between the fields of chemical engineering, formulation science & technology and materials science & engineering. It is applied in many industrial areas such as pharmaceutical, biomedical, food and feed products, cosmetics, adhesives, coatings, composites, etc.

This discipline comprises **four major elements**:

- structured product design and engineering methodology covering all elements in the product value chain
- molecular design and engineering of properties
- understanding of molecular/micro-structure and product performance relationships
- insight into molecular/micro-structure and processing relationships



Vision, Mission, Aims

- To strengthen the scientific understanding of product design and engineering
- To stimulate and accelerate the development of
  - innovative, complex and highly structured products
  - suitable production processes
- To create a generic discipline across the different industrial sectors, to stimulate contacts between industry and academia and to stimulate an exchange at the interface between chemical engineering, formulation science & technology as well as materials science & engineering
- The **aim** of the Section is to
  - consolidate European activities in this field
  - organise biennial conferences
  - establish a network and create a database of practitioners
  - support educational activities and develop teaching material

For our current activities, visit us at www.efce.info/SectionPDE.html

Join us !

The Section is open to any professional chemical engineer, or a specialist in the field, who is willing to contribute to the activities of the Section.
Application Form:
www.efce.info/Membership+Application.html

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