



JONATHAN SEVILLE (MEng, MA(Cambridge), PhD(Surrey), CEng, FEng, FIChemE) heads the Department of Chemical Engineering at Birmingham which is one of only three in the UK with the coveted 6* research rating. He also leads the Centre for Formulation Engineering, a multidisciplinary research centre focussed on the application of Chemical Engineering to the pharmaceutical, food and other speciality high-value products sectors. Among his research achievements is the application of the novel medically-derived technique Positron Emission Particle Tracking to the study of chemical processes. He is also the Co-Director of the University's newly formed Visualisation and Imaging Network.

Before moving to Birmingham, he was on the staff of the University of Surrey (1981-94) and at Courtaulds Ltd (1979-81); he was Visiting Professor at the University of British Columbia (1989-90) and the Technical University of Denmark (Copenhagen) (1997-2000).

He is:

- a Fellow of the Royal Academy of Engineering
- a Chartered Engineer and a Fellow and Member of Council of the Institution of Chemical Engineers
- Editor-in-Chief of the Elsevier journal: "*Powder Technology*"
- a member of the Executive of the Standing Conference of Professors of Chemical Engineering
- Past Chairman of the Institution of Chemical Engineers Particle Technology Subject Group
- a Member of the European Federation of Chemical Engineers Working Party on Product Engineering

His areas of expertise include:

- particle formation processes (agglomeration, coalescence, compaction)
- particle breakage processes (fracture, attrition, abrasion)
- fluidisation and other fluid/solid contacting processes
- particle characterisation
- gas filtration and other methods of gas/solid separation, dry scrubbing

Professor Seville has over 100 publications, including 3 books, the most recent of which is J P K Seville, U Tüzün and R Clift, "Processing of Particulate Solids", Chapman and Hall, London (1997).

