

Introduction to Computational Fluid Dynamics (CFD) – Part III

Case Studies

Prepared by:
Dr Milinkumar Shah
Senior Lecturer, Chemical Engineering Discipline, Curtin University,
Western Australia

ELECTRONIC WARNING NOTICE FOR COPYRIGHT STATUTORY LICENCES

WARNING

This material has been reproduced and communicated to you by or on behalf of **Curtin University** in accordance with section 113P of the *Copyright Act 1968 (the Act)*

The material in this communication may be subject to copyright under the Act. Any further reproduction or communication of this material by you may be the subject of copyright protection under the Act.

Do not remove this notice.

Outline

- Industrial case studies
 - Case study-1: Multi-tube reactor for bi-reforming
 - Case study-2: Gas-solid flow in riser
 - Case study-3: CFD and PINN coupling: Fluidized bed simulations