



# Multiphase Flows with Droplets and Particles, Second Edition

*Clayton T. Crowe, John D. Schwarzkopf, Martin Sommerfeld, Yutaka Tsuji*

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Since the publication of the first edition of **Multiphase Flow with Droplets and Particles**, there have been significant advances in science and engineering applications of multiphase fluid flow. Maintaining the pedagogical approach that made the first edition so popular, this second edition provides a background in this important area of fluid mechanics to those new to the field and a resource to those actively involved in the design and development of multiphase systems.

See what's new in the Second Edition:

- Chapter on the latest developments in carrier-phase turbulence
- Extended chapter on numerical modeling that includes new formulations for turbulence and Reynolds stress models
- Review of the fundamental equations and the validity of the traditional "two-fluid" approach
- Expanded exercises and a solutions manual

A quick look at the table of contents supplies a snapshot of the breadth and depth of coverage found in this completely revised and updated text. Suitable for a first-year graduate (5<sup>th</sup> year) course as well as a reference for engineers and scientists, the book is clearly written and provides an essential presentation of key topics in the study of gas-particle and gas-droplet flows.

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