



Collaborative and Distributed Chemical Engineering. From Understanding to Substantial Design Process Support [Results of the IMPROVE Project /

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Computer science Chemistry Chemical engineering Software
engineering Computer simulation Computer aided design Computer
Science Computer-Aided Engineering (CAD, CAE) and Design Computer
Applications in Chemistry Industrial Chemistry/Chemical Engineering
Simulation and Modeling Special Purpose and Application-Based Systems

Monografía

IMPROVE stands for "Information Technology Support for Collaborative and Distributed Design Processes in Chemical Engineering" and is a large joint project of research institutions at RWTH Aachen University. This volume summarizes the results after 9 years of cooperative research work. The focus of IMPROVE is on understanding, formalizing, evaluating, and, consequently, improving design processes in chemical engineering. In particular, IMPROVE focuses on conceptual design and basic engineering, where the fundamental decisions concerning the design or redesign of a chemical plant are undertaken. Design processes are analyzed and evaluated in collaboration with industrial partners

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