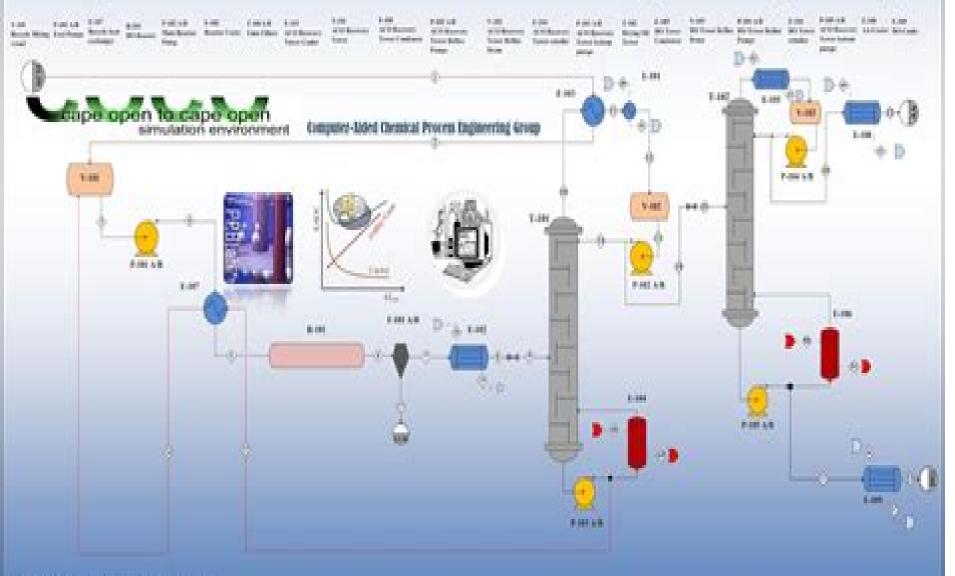
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Professor Menwer Attarakih

^{*} Attarakih et al., DO PFD, 7th Jordan International Chemical Engineering Conference, November 2014, Amman, Jordan

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Architectures and Tools for Computer Aided Process Engineering Bertrand Braunschweig,Rafiqul Gani,2002-10-30 The idea of editing a book on modern software architectures and tools for CAPE Computer Aided Process Engineering came about when the editors of this volume realized that existing titles relating to CAPE did not include references to the design and development of CAPE software Scientific software is needed to solve CAPE related problems by industry academia for research and development for education and training and much more There are increasing demands for CAPE software to be versatile flexible efficient and reliable This means that the role of software architecture is also gaining increasing importance Software architecture needs to reconcile the objectives of the software the framework defined by the CAPE methods the computational algorithms and the user needs and tools other software that help to develop the CAPE software The object of this book is to bring to the reader the software side of the story with respect to computer aided process engineering

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volume collects together the presentations at the Eighth International Conference on Foundations of Computer Aided Process Design FOCAPD 2014 an event that brings together researchers educators and practitioners to identify new challenges and opportunities for process and product design The chemical industry is currently entering a new phase of rapid evolution The availability of low cost feedstocks from natural gas is causing renewed investment in basic chemicals in the OECD while societal pressures for sustainability and energy security continue to be key drivers in technology development and product selection This dynamic environment creates opportunities to launch new products and processes and to demonstrate new methodologies for innovation synthesis and design FOCAPD 2014 fosters constructive interaction among thought leaders from academia industry and government and provides a showcase for the latest research in product and process design Focuses exclusively on the fundamentals and applications of computer aided design for the process industries Provides a fully archival and indexed record of the FOCAPD14 conference Aligns the FOCAPD series with the ESCAPE and PSE series

Fourth European Symposium on Computer Aided Process Engineering, ESCAPE 4 F. A. Perris, 1994 The ESCAPE symposia address the applications of computer aids to all aspects of process engineering The primary objective is the interchange of information on industrial needs new technology developments and research opportunities With industrialists and academia contibuting from all over the world this set of proceedings provides an overview of current international computer aided process engineering CAPE This book is intended for chemical and process engineers design engineers and computer aided specialists **Computer-Aided Design of Fluid Mixing Equipment** W Roy Penney, 2021-08-21 Computer Aided Design of Fluid Mixing Equipment A Guide and Tool for Practicing Engineers helps practicing design and operations engineers in solving their agitation and mixing problems The book provides the practicing engineer with the tools necessary to evaluate the performance of existing agitation and mixing equipment along with tactics on how to design new equipment using computerized rating and design methods. The most appropriate design techniques are also included in computer programs for solving mixing problems for the practicing engineer Excel solutions are available through the WEB for 40 example problems in the book WEB based general purpose CalcEdge design programs are also available the TK6 source codes are also available Provides the practicing engineer with the tools necessary to evaluate the performance of existing equipment and to design new equipment using computerized rating and design methods Explains the principles required to understand and use recommended design methods Implements design methods that are readily available and easy to use Presents sufficient worked examples using provided canned programs to guide the user in analyzing and designing mixing Issues in Chemical Engineering and other Chemistry Specialties: 2011 Edition ,2012-01-09 Issues in equipment Chemical Engineering and other Chemistry Specialties 2011 Edition is a ScholarlyEditions eBook that delivers timely authoritative and comprehensive information about Chemical Engineering and other Chemistry Specialties The editors have built Issues in Chemical Engineering and other Chemistry Specialties 2011 Edition on the vast information databases of

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