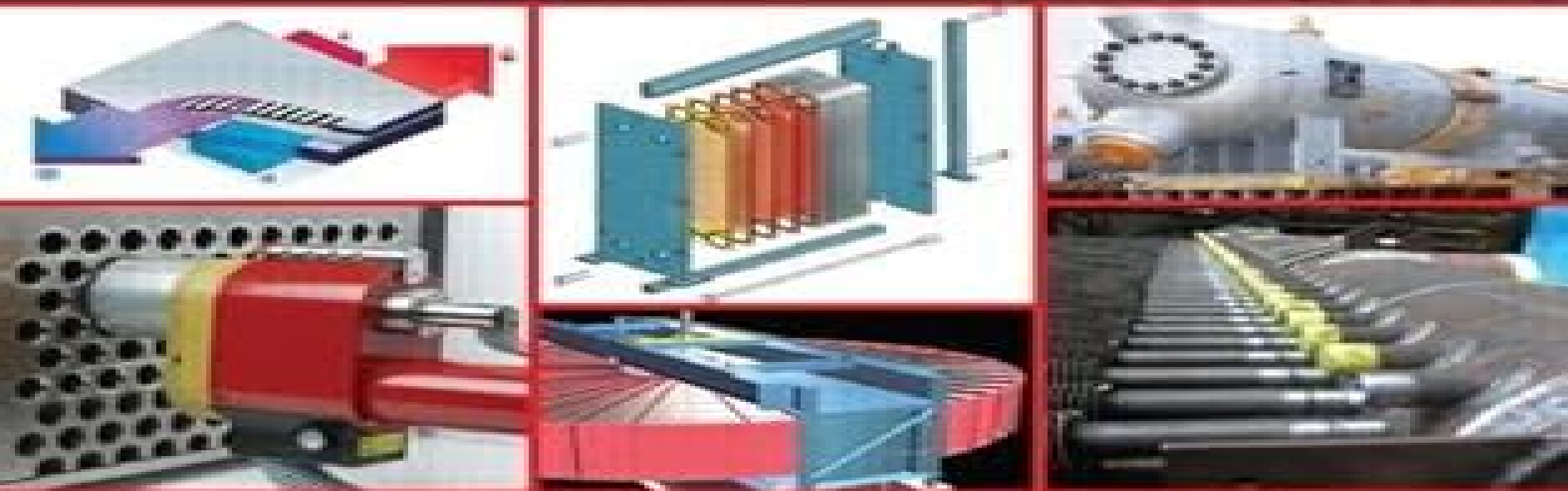


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SECOND EDITION



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CRC Press
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Heat Exchanger Design Handbook Mechanical Engineering

Roderick A. Macleod, Jim Corlett



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,1968 *Thermal System Optimization* Vivek K. Patel,Vimal J. Savsani,Mohamed A. Tawhid,2019-02-14 This book presents a wide ranging review of the latest research and development directions in thermal systems optimization using population based metaheuristic methods It helps readers to identify the best methods for their own systems providing details of mathematical models and algorithms suitable for implementation To reduce mathematical complexity the authors focus on optimization of individual components rather than taking on systems as a whole They employ numerous case studies heat exchangers cooling towers power generators refrigeration systems and others The importance of these subsystems to real world situations from internal combustion to air conditioning is made clear The thermal systems under discussion are analysed using various metaheuristic techniques with comparative results for different systems The inclusion of detailed MATLAB codes in the text will assist readers researchers practitioners or students to assess these techniques for different real world systems Thermal System Optimization is a useful tool for thermal design researchers and engineers in academia and industry wishing to perform thermal system identification with properly optimized parameters It will be of interest for researchers practitioners and graduate students with backgrounds in mechanical chemical and power engineering **Pinch**

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descendants as this publication demonstrates The monograph has been organized into sections by subject areas i e Medicine Allied Health Sciences and Social Services Agricultural and Food Science Earth and Environmental Sciences and Engineering Each individual entry is usually accompanied with literature and additional biographical sources for readers who wish to pursue a deeper study The selection of individuals has been strictly based on geographical vantage without regards to their native language or ethnical background Some of the entries may surprise you because their Czech or Slovak ancestry has not been generally known What is conspicuous is a large percentage of listed individuals being Jewish which is a reflection of high level of education and intellect of Bohemian Jews A prodigious number of accomplished women in this study is also astounding considering that in the 19th century they rarely had careers and most professions refused entry to them

Information Sources in Engineering Roderick A. Macleod, Jim Corlett, 2012-04-17 The current thoroughly revised and updated edition of this approved title evaluates information sources in the field of technology It provides the reader not only with information of primary and secondary sources but also analyses the details of information from all the important technical fields including environmental technology biotechnology aviation and defence nanotechnology industrial design material science security and health care in the workplace as well as aspects of the fields of chemistry electro technology and mechanical engineering The sources of information presented also contain publications available in printed and electronic form such as books journals electronic magazines technical reports dissertations scientific reports articles from conferences meetings and symposiums patents and patent information technical standards products electronic full text services abstract and indexing services bibliographies reviews internet sources reference works and publications of professional associations Information Sources in Engineering is aimed at librarians and information scientists in technical fields as well as non professional information specialists who have to provide information about technical issues Furthermore this title is of great value to students and people with technical professions

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