

FOREWORD

Technical training in the design and operation of heat transfer systems can nowadays proceed seamlessly from simplistic models taught at the undergraduate (and even graduate) level, to learning, once the graduate proceeds to an industrial post, how to implement sophisticated commercial codes for rating and design of heat exchangers. More and more, the results from such code implementations are accepted blindly, with often-undesirable consequences. This is not, of course, a criticism of the codes themselves but, rather, of how they are used.

It is thus very timely to present a book in the Series on Thermal and Fluid Physics and Engineering which directly and effectively addresses this problem. The Author, Peter Hills, has had more than 25 years of experience in working on a very wide variety of heat transfer applications. Furthermore, he has used extensively the main commercial codes and is therefore able to discuss authoritatively the pitfalls that the engineer may encounter in their blind acceptance. There is no substitute for experience and the principal aim of this monograph is to try to present the author's own wide experience so as to avoid at least some of the difficulties encountered in real systems.

I believe that this book should be on the desks of all those involved in heat transfer system design!

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Series Editor