Preface

Heat exchangers play an important role in the reduction of greenhouse gas emissions and for achieving sustainable development. In many of the latest and most advanced approaches to reduce energy consumption and improve power conversion efficiency – such as the introduction of fuel cells and the usage of renewable energy sources – heat exchangers are required. To meet the challenge of providing efficient, compact, and inexpensive heat exchangers for these purposes, worldwide activities are underway. For these activities to be successful, both theoretical and experimental investigations which employ the most advanced modern methods must be continued.

This book, a special supplemental issue of the *International Journal of Heat Exchangers*, contains nine papers originally presented at the Fifth International Conference on Enhanced, Compact and Ultra-Compact Heat Exchangers: Science, Engineering and Technology which was held in Whistler, British Columbia, Canada in September 2005. These papers represent well the width and depth of the conference and reflect the state-of-the-art.

The editors thank the contributors for accepting the invitation and for their efforts, in a timely way, to complete their slightly revised manuscripts for this particular volume. We believe this collection of papers will be of great interest to the heat exchanger Research & Development community, both in industry as well as academia.

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