

# Computational Fluid Dynamics 2004

C. Groth · D. W. Zingg (Editors)

# Computational Fluid Dynamics 2004

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on Computational Fluid Dynamics, ICCFD3,  
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# Preface

This book contains the Proceedings of the Third International Conference on Computational Fluid Dynamics (ICCFD), held in Toronto, Ontario, Canada from July 12 through 16, 2004. The ICCFD series has evolved into the leading international conference series for scientists, mathematicians, and engineers interested in the computation of fluid flow. Invited keynote lectures were given by renowned researchers in the areas of detached-eddy simulation, micro-flow simulations, control of shocks, multiscale models of the circulatory system, and high-end computing in aerospace.

Abstracts were received from 23 countries. The executive committee, consisting of C. Bruneau, J.-J. Chattot, D. Kwak, N. Satofuka, K. Srinivas, and myself, was responsible for selection of papers. Each of the members had a separate subcommittee to carry out the evaluation. As a result of this careful peer review process, 123 papers were selected for oral presentation and a further 67 for poster presentation. The conference was attended by 172 delegates from 22 different countries.

Thanks are due to our sponsors, NASA and the Institute for Aerospace Research of the National Research Council of Canada. In particular, the generous grant from NASA is a key factor in the success of this conference series. I would also like to thank the staff at the Westin Harbour Castle, all who participated in the organization of the conference, including the review process, and the students of the CFD group at the University of Toronto Institute for Aerospace Studies for the tremendous help they provided toward the success of this conference.

These Proceedings contain a snapshot of the field of computational fluid dynamics as of 2004. They present a vibrant field with strong capabilities in many areas of application and a myriad of opportunities for future contributions to science and engineering.

Toronto, Canada  
September 2004

*David W. Zingg*  
*Conference Chair*

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