

FOREWORD

This volume was conceived as a gift for John on the occasion of his 60th birthday, as a token of our appreciation for him as a consummate colleague, mentor and friend, and in honor of his mathematical accomplishments.

John P. D'Angelo came to the University of Illinois at Urbana–Champaign in 1978. Following the completion of his Ph.D. (Princeton, 1976), he spent two years at MIT prior to accepting a faculty position at Illinois.

John pioneered the use of algebraic geometry in the study of mapping problems in CR geometry, especially, in the analysis of finite type conditions for CR hypersurfaces. He also made fundamental contributions to the theory of the Bergman projection, highlighting its role in the analysis of Hermitian analogs of Hilbert's 17th problem. He received the Bergman Prize of the American Mathematical Society in 1999.

John is highly regarded as a lecturer and expositor. He is the author of four books: *Several Complex Variables and the Geometry of Real Hypersurfaces* (1993), *Mathematical Thinking: Problem Solving and Proofs* (1997, coauthored with Doug West), *Inequalities from Complex Analysis* (2002) and *An Introduction to Complex Analysis and Geometry* (2011). At the time this volume went to press, his fifth book, on the interplay between Fourier analysis and complex analysis, nears completion.

The papers in this volume come from a wide spectrum of John's coauthors, colleagues and students, and are a striking testimonial to his influence over and vision for the subject of several complex variables. We are grateful to all of the authors for their contributions and to all of the referees for their assistance.

We would also like to acknowledge Renming Song, Managing Editor of the Illinois Journal and Debbie Broadrick, Editorial Assistant, for their assistance and cooperation in bringing this project to fruition. Special thanks go to the former Managing Editor, Phil Griffith, for his role in initiating the project in late 2010.

As anyone who knows John will attest, his strongly held convictions (on everything), his ability to generate original and intriguing ideas in response

to even the mildest of provocations, his honesty and straightforwardness, and his obvious concern for those around him, make it endlessly interesting and rewarding to be his friend and colleague. We look forward to many more years in those capacities.

Steven Bradlow, Urbana, Illinois
Peter Ebenfelt, San Diego, California
Jeremy T. Tyson, Urbana, Illinois
Dror Varolin, Stony Brook, New York

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