

Preface



Prof. Wing-Shing Wong

The breadth of the contributions represented here are but one indication of the wide span of influence Wing-Shing Wong has had on the information and control community. Through his individual efforts and his mentoring of students and postdoctoral fellows he has set the stage for numerous significant research threads. His strong background in both control and information theory has enabled him to take the lead in the challenging area of quantifying the relationships between these two areas essential of modern technology. His innovations include the identification of the primal role of source and channel coding in transmitting real-time data from physical measurements in a feedback loop. More than once Wing Wong had pointed out explicit connections between control and information that seemed to have eluded others.

On a more personal level, it has been our pleasure to work with Wing in many roles. Our first meetings date from the late 1970s when he came to Harvard as a doctoral student. His thesis, involving Fock spaces and their relationship to Volterra series already showed the scientific confidence that characterizes his later work. We have been fortunate to not just stay in touch over the years, but actively collaborate, be he in Boston, New York or Hong Kong. Always a gentleman as well as a scholar it has been our pleasure to be in his home with his family, hear him perform on the piano and learn first hand about the pleasures and less pleasant aspects of some of his many encounters as an adviser and administrator at very high levels.

We endorse this volume as a recognition of the on going efforts of a vibrant scholar.

JOHN BAILLIEUL AND ROGER BROCKETT