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**Final Report for:**  
**11th VPI&SU Symposium on Structural Dynamics and Control**  
**F49620-97-1-0303**

This grant was in support of the conference titled: "Eleventh VPI&SU Symposium on Structural Dynamics and Control". This symposium was held on the campus of Virginia Tech, in Blacksburg, VA, from May 12 – 14, 1997. The conference consisted of 65 papers being presented over a three-day period. The results of the conference have been published in a bound volume titled *Structural Dynamics and Control*. This work clearly acknowledges the support of AFOSR in the preface.

The symposium was organized and run by Prof. L. Meirovitch of our Engineering Science and Mechanics Department. The conference was viewed as a successful exchange of research ideas in structural dynamics and control by all who attended. The table of contents and preface of the proceedings are attached. An attendees list is also appended.

The goal of the meeting was to spark enthusiastic technical exchange in the areas of dynamics and control in a single session environment with ample opportunity for verbal exchange between the delegates. This was accomplished.

## PREFACE

With a 40% increase in the number of papers compared to 1995, the Eleventh Blacksburg Symposium demonstrated once again the appeal of this highly-focused conference. Presentations included analytical and experimental developments in structural dynamics and control from a variety of engineering disciplines. particularly well represented were the areas of seismic control of structures, noise control, aeroservoelasticity, control of robots, smart structures, multibody systems, flexible manipulators and control of space structures.

Many thanks are due to D. J. Inman, Symposium Co-Chairman, who helped with the organization of the symposium, as well as to A. M. Baz, R. L. Clark, A. E. Finzi, M. I. Friswell, J. Olsen, R. D. Quinn, M. P. Singh, L. N. Virgin and J. N. Yang for organizing special sessions.

Very much appreciated was the support from Dr. S. C. Liu, National Science Foundation, and Major B. Sanders, Air Force Office of Scientific Research.

Special thanks are due to Norma B. Guynn for her significant help in putting this volume together.

Blacksburg, Virginia  
December 1997

L. Meirovitch  
Symposium Chairman  
and Proceedings Editor

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