

Introduction

The Second United States-Japan Conference on Composite Materials was held on 6–8 June 1983 at the NASA Langley Research Center, Hampton, Virginia. It was sponsored by the American Society for Testing and Materials Committees D-30 on High-Modulus Fibers and Their Composites and E-9 on Fatigue in cooperation with the National Aeronautics and Space Administration. The conference presented, reviewed, and critiqued all the latest developments in composite materials occurring in both the United States and Japan.

The conference was the successor to the First Japan-United States Conference on Composite Materials, which was held in Tokyo in January 1981.

The chairman of American Organizing Committee for both conferences was Jack R. Vinson, University of Delaware, and the chairman of the Japanese Organizing Committee for both Conferences was Kozo Kawata, University of Tokyo. The American Organizing Committee for this conference included C. W. Bert, C. C. Chamis, A. Dhingra, K. Reifsnider, W. J. Renton, G. L. Roderick, R. Schapery, R. L. Sierakowski, R. Signorelli, M. Taya (secretary), W. J. Walker, S. S. Wang, and C. Zweben. Appreciation is hereby expressed to each committee member for his part in making the conference a great success, especially to G. L. Roderick for his help in providing the conference place. A third conference is being planned for 23–25 June 1986, Tokyo, Japan.

Appreciation is also expressed to the E. I. duPont de Nemours and Company, General Dynamics-Fort Worth, and the Vought Corporation for their financial support.

This volume provides the reader with a very complete set of timely papers that were presented at the conference. These represent the very latest findings in both countries in this rapidly developing area of science, engineering, and technology.

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