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### Obituary: Late Professor Tsuyoshi Hayashi

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## **Obituary: Late Professor Tsuyoshi Hayashi**

Dr. Tsuyoshi Hayashi, Professor Emeritus at the University of Tokyo, Founder and Honorary Member of the Japan Society for Composite Materials, passed away suddenly at home as a result of acute heart failure at the age of 86 on February 2nd, 1998. Everyone who knew him was shocked to hear the news of his sudden and unexpected passing as he had been in good health and active until quite recently. We would like to express our sincere condolences to his bereaved family.



**Tsuyoshi Hayashi, 1912–1998**

After graduating from the Department of Aeronautics, Faculty of Engineering, at the Imperial University of Tokyo in 1935, Dr. Hayashi stayed within the department in the position, first of lecturer, and then associate professor from 1936. Following the Second World War, Dr. Hayashi moved to the Department of Applied Mathematics, Faculty of Engineering, at the University of Tokyo in 1945 and was promoted to the position of professor in 1948. This was followed by moves to the Department of Applied Physics in 1951 and the Department of Aeronautics on its re-opening in 1954. Dr. Hayashi retired from the University of Tokyo in 1972 and became a professor in the Department of Mathematics, Faculty of Science and Engineering, Chuo University between 1972 and 1982.

Dr. Hayashi made numerous significant contributions to the field of composite materials including his famous pioneering work on orthotropic bodies and structures. His enthusiasm for the establishment of a unified 'Composite Materials Engineering' had not diminished since he founded the Japan Society of Reinforced Plastics in 1955 and the Japan Society of Composite Materials in 1975. Dr. Hayashi attended many domestic and overseas conferences until quite recently and had been general chairman of the *Fourth International Conference on Composite Materials (ICCM-4)* held in Tokyo in 1982. Dr. Hayashi was often known in other countries as the 'Godfather of Composites' and had received numerous national and international awards and decorations including the first Medal of Excellence in Composite Materials from the University of Delaware, Center for Composite Materials, in 1984 and election as a foreign Associate of the US Academy of Engineering in 1986.

The Japan composite community has lost its great leader and his constant inspiration, both personally and academically, will be sorely missed. We should continue his extraordinary legacy into the future.

ISAO KIMPARA

*President, Japan Society of Composite Materials*

*Professor, Department of Naval Architecture and Ocean Engineering  
Graduate School of Engineering, The University of Tokyo, Tokyo, Japan*

In addition to the official *in memoriam* address given by the President of the Japan Society of Composite Materials, Professor Kimpara, many messages of condolence were also received from distinguished professors and academic societies from around the world. We would like to quote two of these messages in memory of Professor Tsuyoshi Hayashi and to praise his enormous contribution to the field of composite science. The first message is from Professor Jack R. Vinson of the University of Delaware and President of the American Society for Composites. The second message is from Mrs. Ruth Hoff, widow of the Late Professor Nicholas J. Hoff, and Professors George S. Springer and Stephen W. Tsai of Stanford

University. On behalf of all members of the Japan Society of Composite Materials, I would like to sincerely thank all those who expressed deep sorrow and respect at the passing of Professor Tsuyoshi Hayashi.

TAKASHI ISHIKAWA

*Editor-in-chief, Advanced Composite Materials  
National Aerospace Laboratory, Tokyo, Japan*

On behalf of the American Society for Composites, I wish to express our grief over the passing of Professor Tsuyoshi Hayashi on February 3, 1998. As the 'father' of composite materials in Japan, he was a key figure in the development and use of composite materials throughout the world. Through his vision and effort the very successful Japan-US Conferences on Composite Materials were initiated, and still continue. He made many significant contributions. He will be sorely missed on both a professional and personal level.

Please extend our sympathy to his family, friends and colleagues.

Sincerely,

JACK R. VINSON

*President, American Society for Composites  
H. Fletcher Brown Professor, Department of Mechanical and  
Aerospace Engineering, University of Delaware, Newark, DE, USA*

We, the undersigned wish to expressed our deepest sorrow for the passing of Professor Tsuyoshi Hayashi, a great scholar, a leader of research in composite materials and a caring individual. His knowledge of science and engineering has guided and influenced dozens of his colleagues and associates, and hundreds of his students.

Truly world-class contributions made by Japanese universities and companies can be traced to Prof. Hayashi's vision and determination. He was frequently invited to give lectures at symposia and universities around the world. He was a life member of the executive committee of the International Conference on Composite Materials. The Hayashi Award of Excellence was initiated at the University of Delaware in 1985.

As a caring person he used to greet visitors when they arrived and bid them farewell when they left the old Tokyo airport. He personally organized meetings and gave guided tours for his visitors. Though he was a person of international

stature, no task was too small for him and he always found time in his busy schedule.

We will all miss him.

Respectfully,

Mrs. RUTH HOFF, *widow of former Chairman*  
GEORGE S. SPRINGER, *current Chairman*  
STEPHEN W. TSAI, *Professor*

*Department of Aeronautics and Astronautics*  
*Stanford University, Stanford, CA, USA*